

BESTELL-NR.	0363739
GERAETEBEZEICHNUNG	MIDI-POWER-PACK
WARENGATTUNG	652
AUSFUEHRUNGS-NR.	001
GERAETEBESCHREIBUNG	
PRIVILEG	VTC 4026
LIEFERANTEN-NR.	751985
PREIS	799.00
KATALOG	924-
GARANTIEZEIT	6
KD-SEKTOR	R
HEIM/BRINGE	WERKSTATT
BETREUUNG	EIGEN
KOSTENTRAEGER	EIGEN
REPARATURFAEHIG	JA

## IV. ADJUSTMENT

### 4-2 TUNER

#### 4-2-1 INSTRUMENT CONNECTIONS

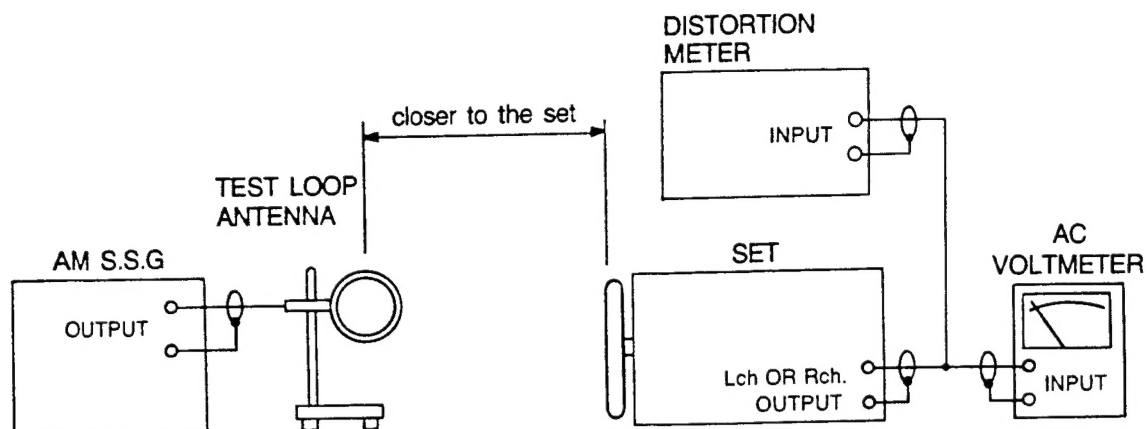


Fig. 4-1 Instrument connection for AM (MW, LW) section adjustment

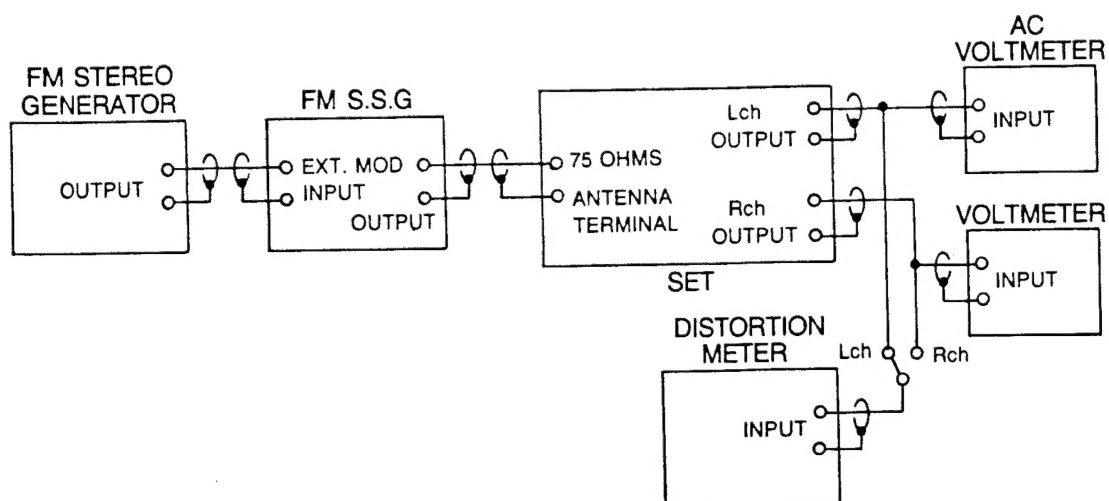
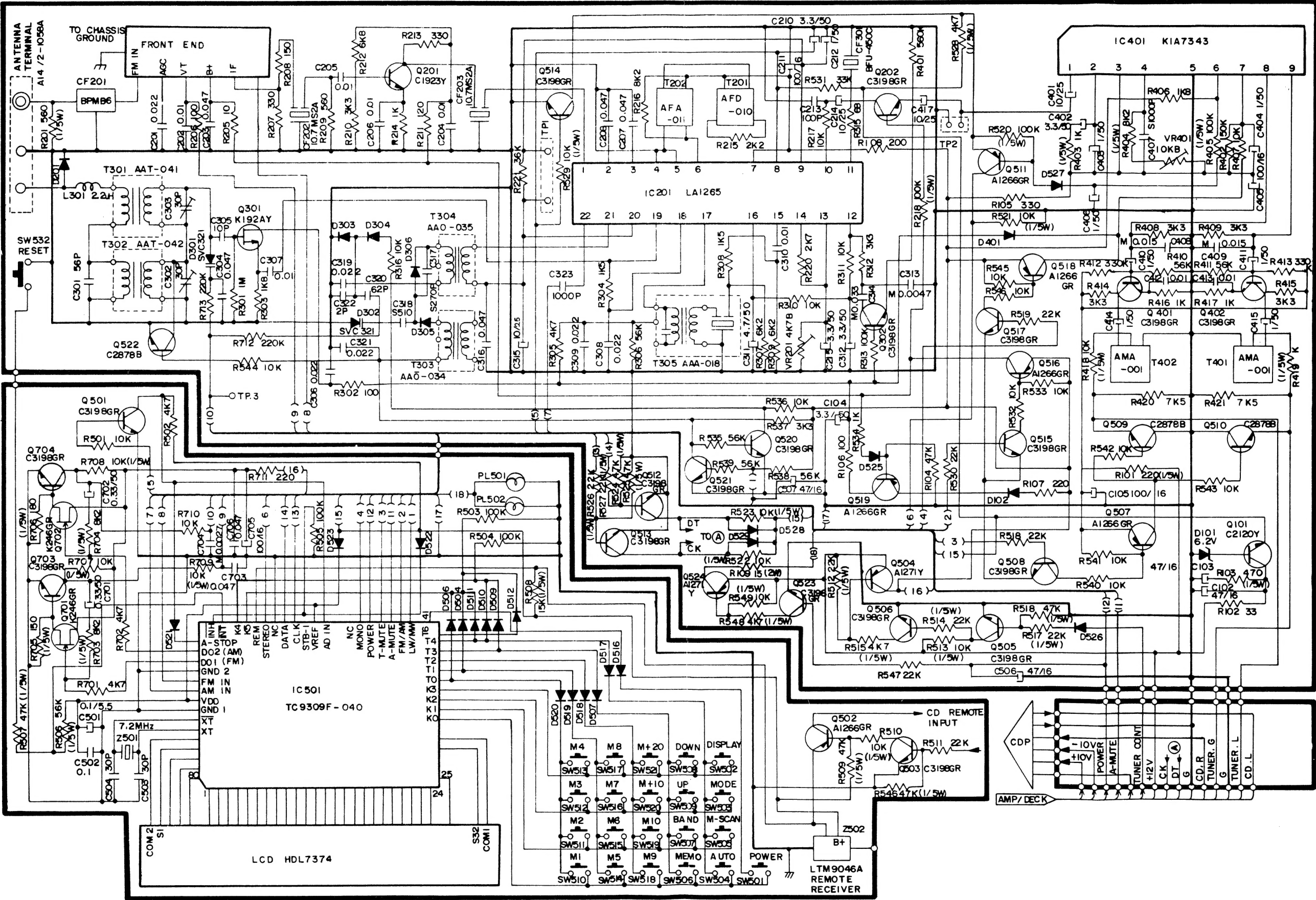


Fig. 4-2 Instrument connection for FM section adjustment

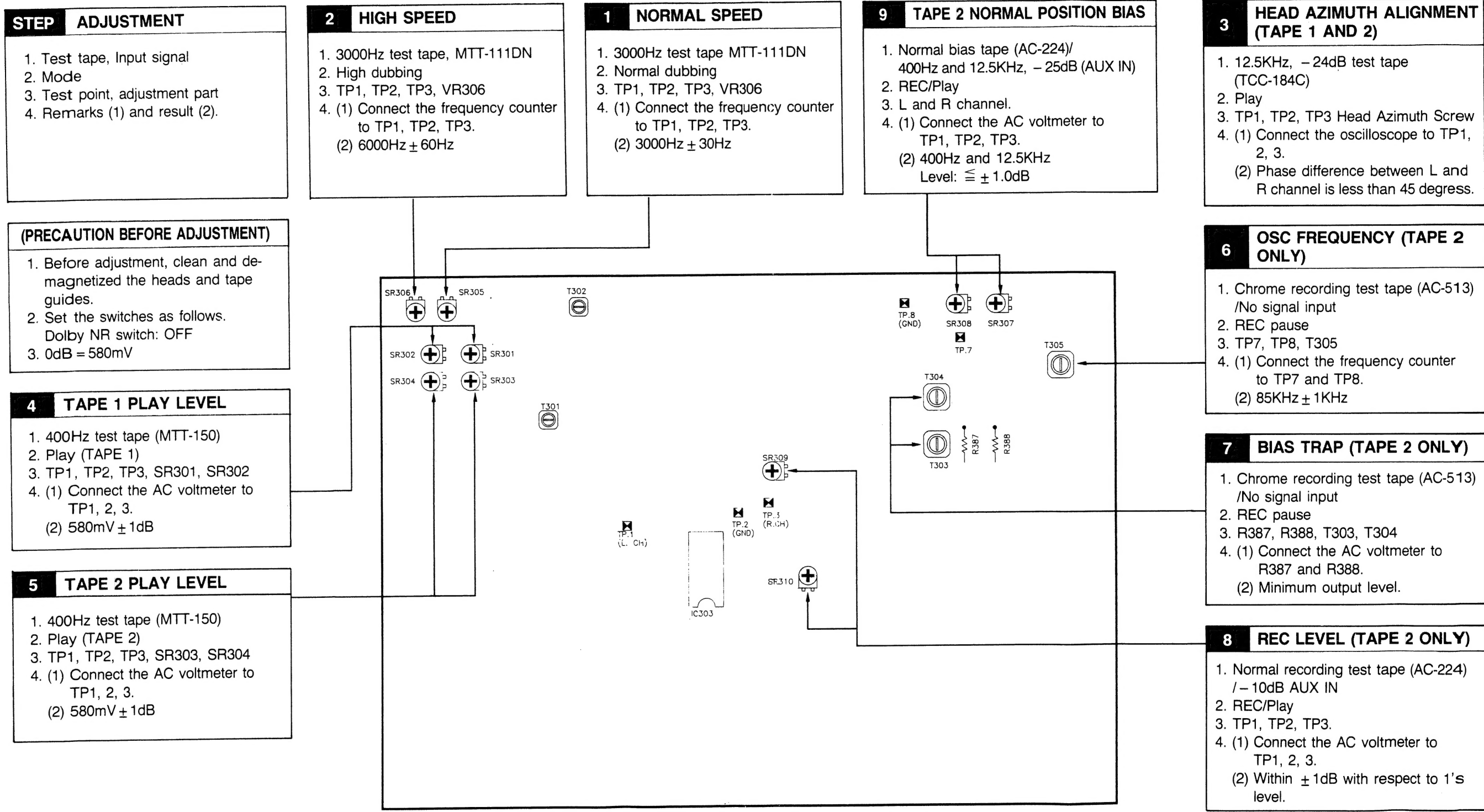
# VII. SCHEMATIC DIAGRAM

TCT-913AR (TUNER, 3 BAND, FM/MW/LW)



# IV. ADJUSTMENT

## 4-1. TAPE





# IV. ADJUSTMENT

## 4-2-2 ADJUSTMENT

TUNER

STEP ADJUSTMENT

1. SSG Frequency and output level condition

2. Tuning frequency

3. Test point, Adjustment part

4. Remarks (1) and Result (2)

(PRECAUTIONS BEFORE ADJUSTMENT)

1. In case of adjusting tuning voltage, MW adjustment must be done after LW.

2. In case of adjusting sensitivity, LW adjustment must be done after MW.

FM/MW STEP

AREA	BAND	STEP (Hz)	REF (Hz)
EUROPE	FM	50K	50K
	MW	9K	9K
	LW	1K	1K
USA1	FM	200K	50K
	MW	10K	10K
USA2	FM	100K	100K
	MW	10K	10K
LATIN AMERICA	FM	100K	50K
	MW	5K	5K
AUSTRALIA/ MIDDLE AND NEAR EAST	FM	100K	50K
	MW	9K	9K
EASTERN EUROPE	FM	50K	50K
	MW	9K	9K
SOUTH AFRICA	FM	50K	50K
	MW	9K	9K
KOREA	FM	50K	50K
	MW	9K	9K

FM

NOTE: Set the SSG to 1KHz, 75KHz deviation.

1 FM IF

1. 98MHz (20dB $\mu$ )

2. 98MHz

3. TP1, TP2, T201, T202

4. (1) Connect the distortion meter to TP2.  
Connect the DC voltmeter to TP1.  
(2) \*Minimum distortion.  
\*0 ~ 200mV

2 TUNED SENSITIVITY

1. 98MHz (10dB $\mu$ )

2. 98MHz

3. Tuned on LCD.

4. Tuned indicator on more than 8dB $\mu$  and OFF less than 7dB $\mu$ .

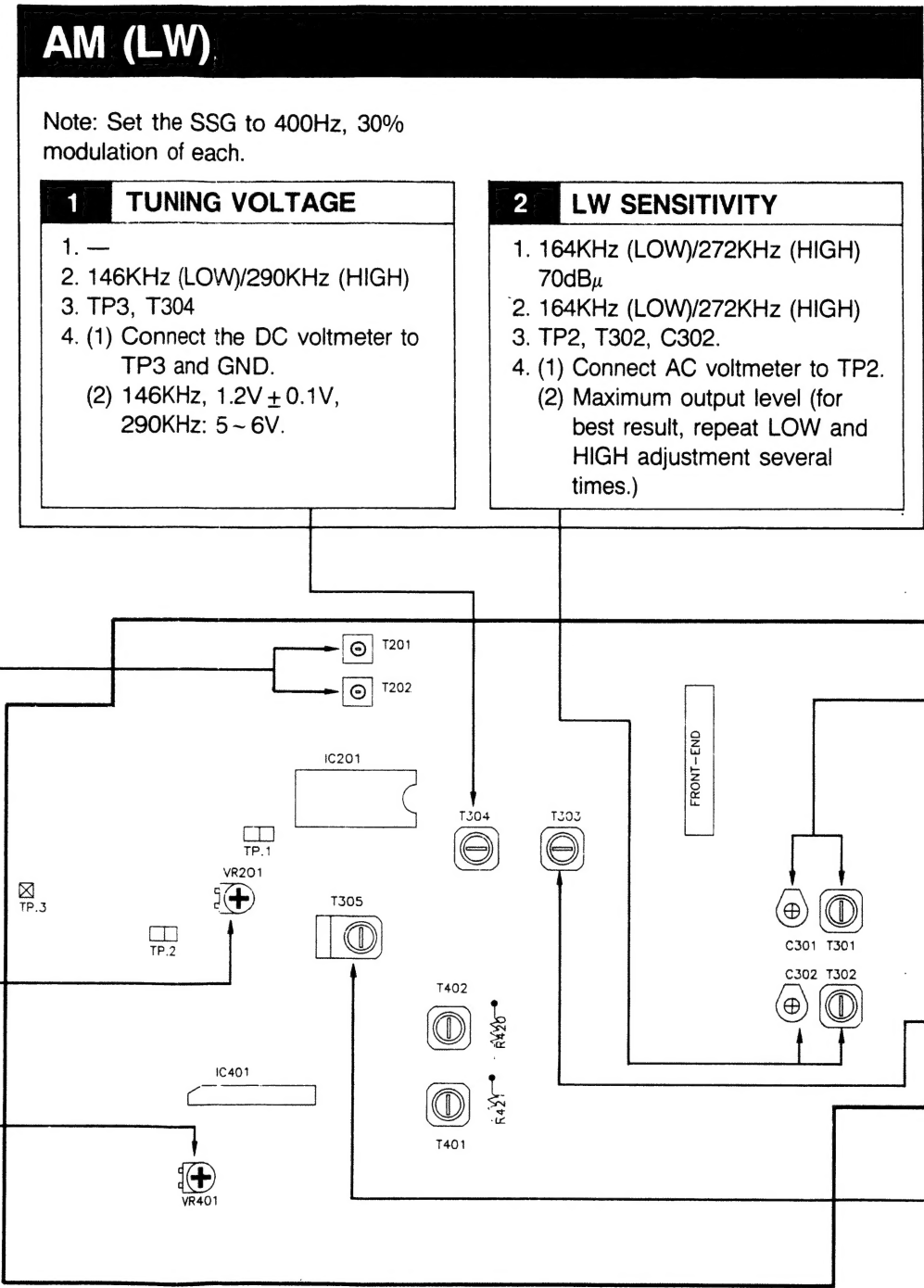
3 STEREO SEPERATION

1. 98MHz 60dB $\mu$  (Stereo Input)

2. 98MHz

3. R420, R421, VR401.

4. (1) Connect the AC voltmeter to R420, R421.  
(2) Seperation more than 25dB between L and R channel.



AM (MW)

Note: Set the SSG to 400Hz, 30% modulation of each.

3 MW SENSITIVITY

1. 612KHz (LOW)/1404KHz (HIGH) 70dB $\mu$

2. 612KHz (LOW)/1404KHz (HIGH)

3. TP2, T301, C301.

4. (1) Connect the AC voltmeter to TP2.  
(2) Maximum output level (for best result, repeat LOW and HIGH adjustment several times)

1 MW TUNING VOLTAGE

1. —

2. 522KHz (LOW)/1620KHz (HIGH)

3. TP3, T303.

4. (1) Connect the DC voltmeter to TP3 and GND.  
(2) 522KHz, 1.2V  $\pm$  0.01V 1620KHz, 7 ~ 8V

2 AM IF

1. 612KHz 74dB $\mu$

2. 603KHz

3. TP2, T305.

4. (1) Connect the AC voltmeter to TP2.  
(2) Maximum output level.

IV. ADJUSTMENT

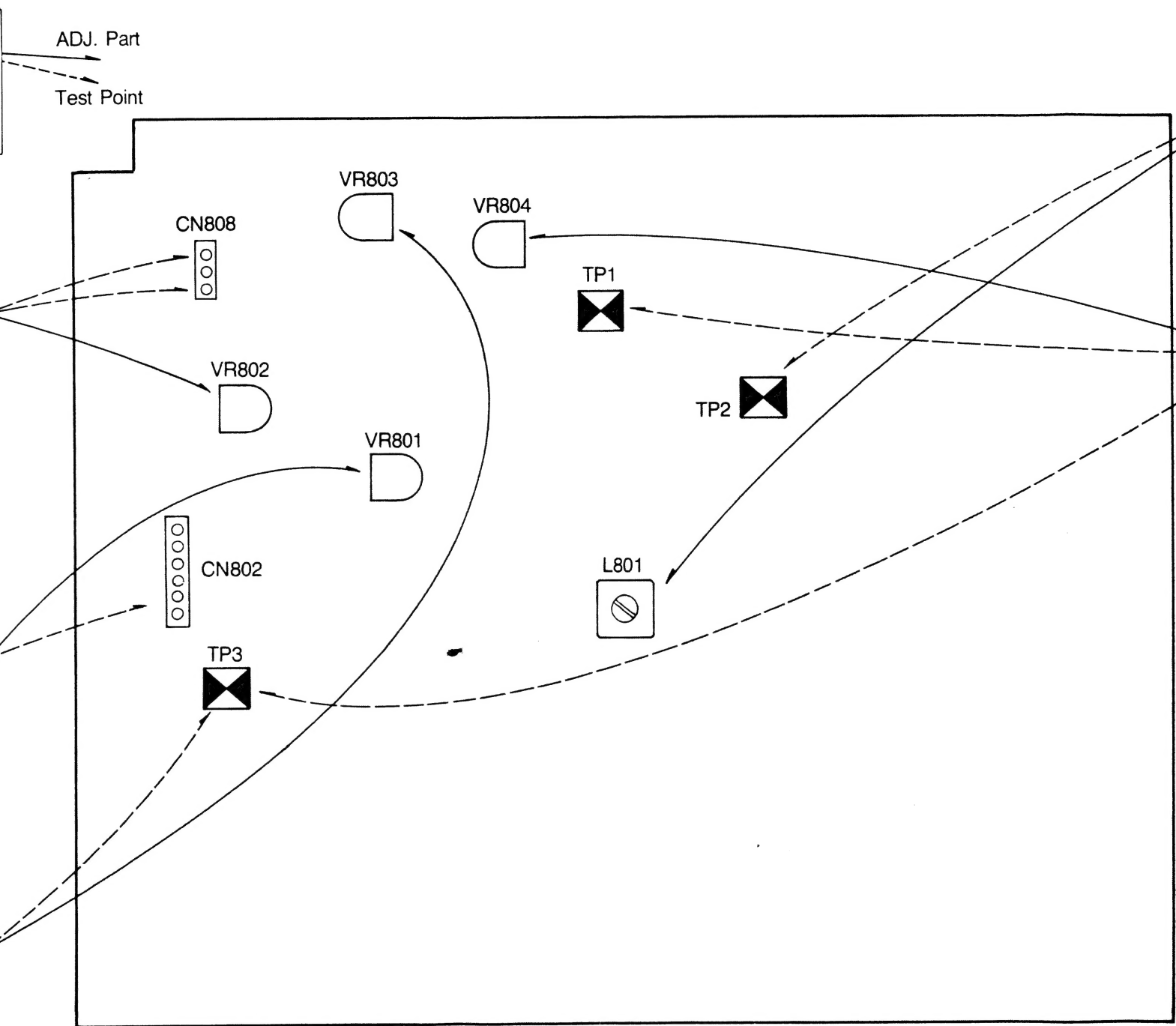
4-3 CDP

STEP	ADJUSTMENT ITEM
1.	Test disc
2.	Mode
3.	Test Point & Adj. Part
4.	Result & Remarks

2 E-F BALANCE
1. Test disc A-BEX TCD-791.
2. PLAY (TNO 4)
3. VR802
4. Connect an oscilloscope between "TE" of CN808 and GND then short between "T OFF" of CN808 and GND. * Adjust VR802 so that center of waveform on the oscilloscope as shown below.

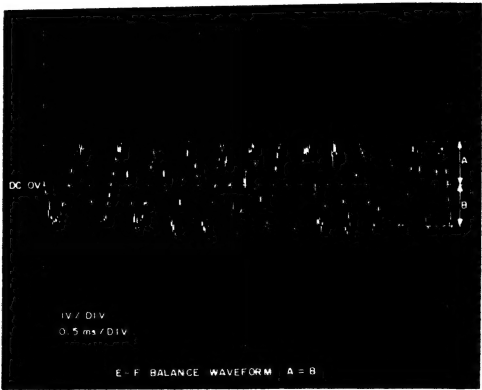
3 FOCUS SERVO GAIN
1. Test disc A-BEX TCD-791
2. PLAY (TNO4)
3. VR801
4. Connect an oscilloscope between "F COIL" of CN802 and GND. * 0.6 to 1.0Vp-p

4 TRACKING SERVO GAIN
1. Test disc A-BEX TCD-791
2. PLAY (TNO4)
3. VR803
4. Connect an oscilloscope between pin TP3 and GND. * 0.8 to 1.2 Vp-p

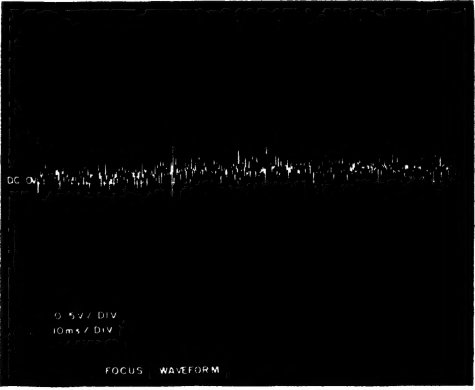


1 PLL
1.
2. STOP
3. Connect Frequency Counter to Test pin TP2.
4. Adjust L801 so that 4.4MHz $\pm$ 50KHz

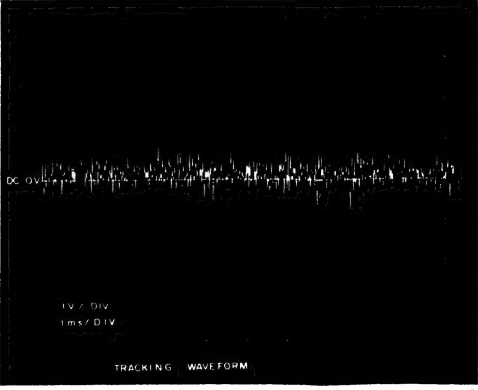
5 TRACKING SERVO OFF-SET
1.
2. STOP
3. VR804
4. Connect on oscilloscope to test pin TP3, then short the test pin TP1 and GND. * Adjust VR804 so that the center of waveform on the oscilloscope is DC 0V $\pm$ 20mV.



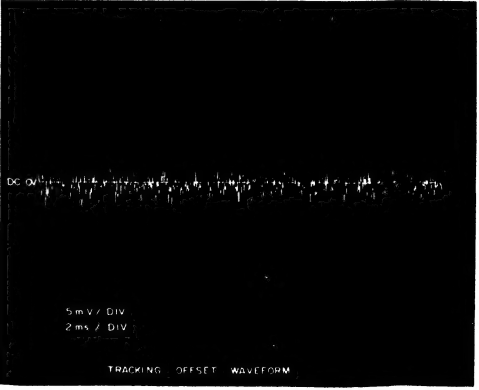
2



3



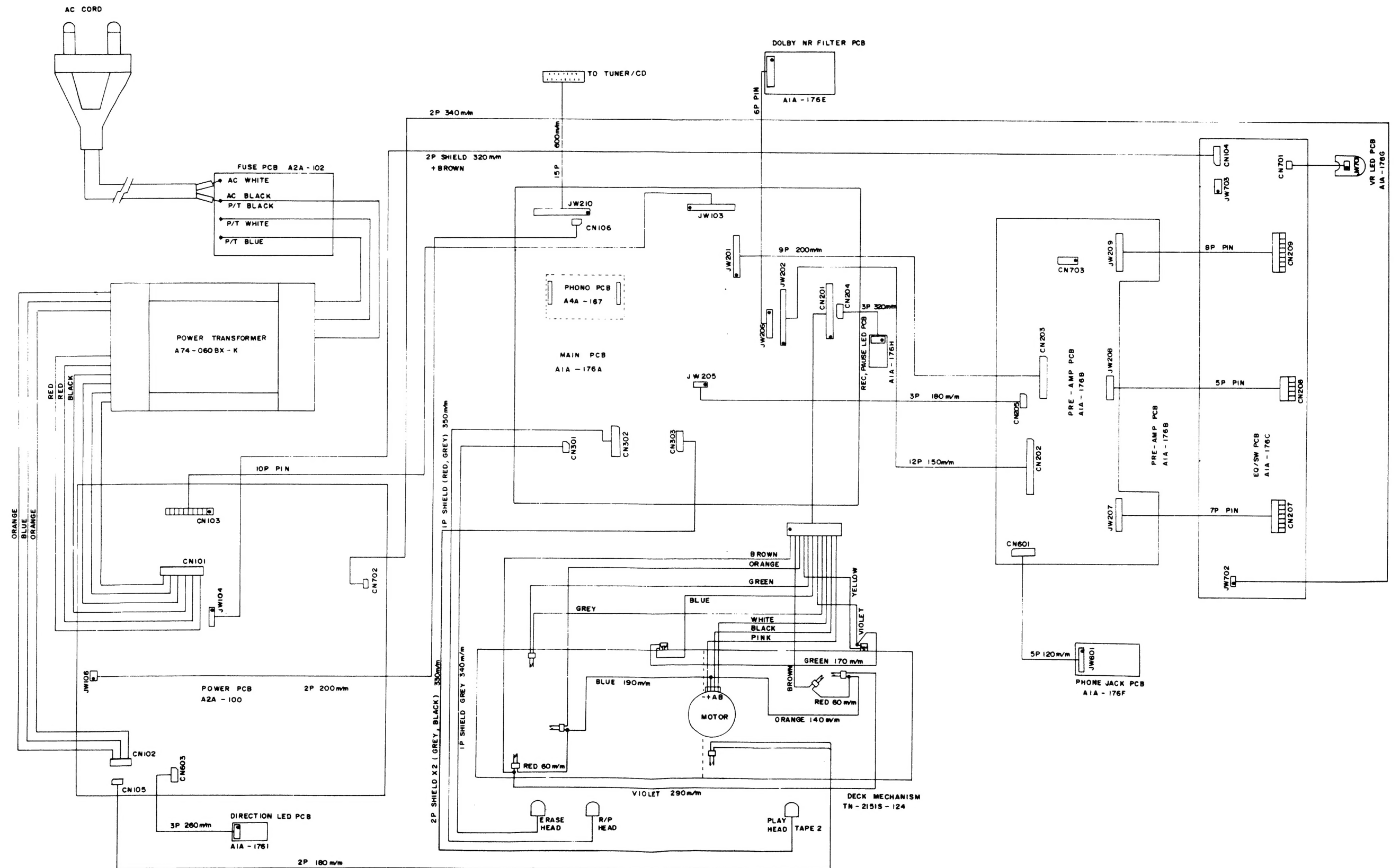
4



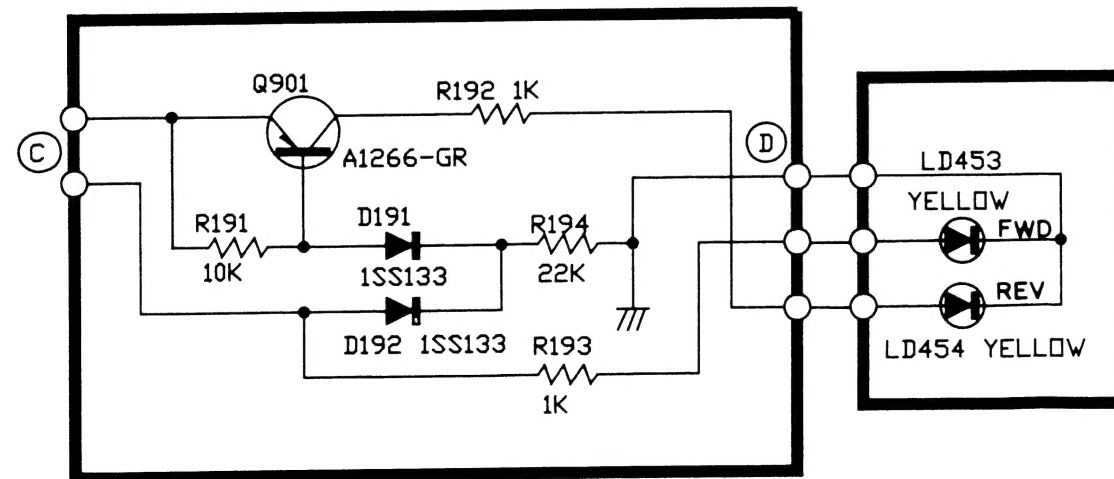
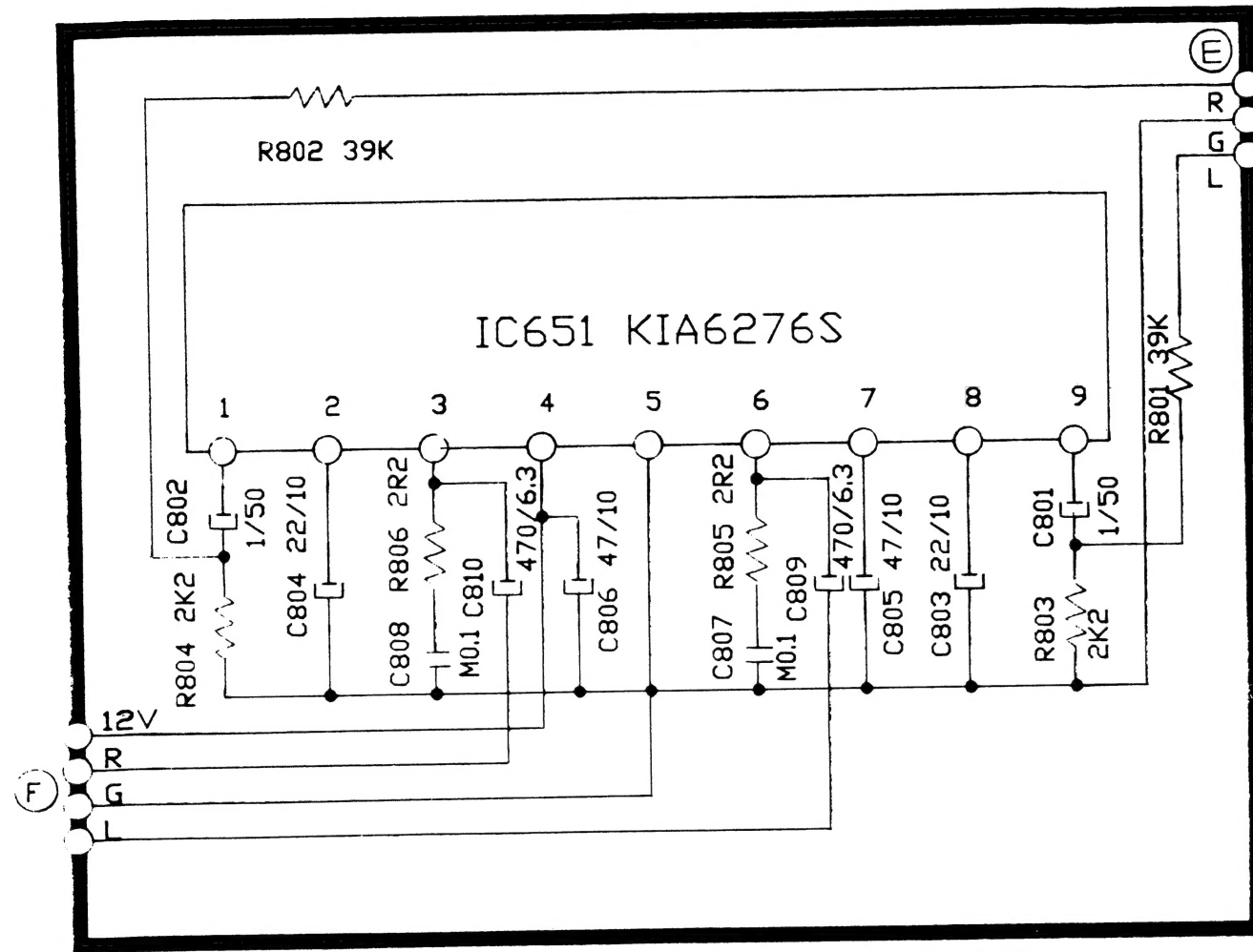
5

# VI. WIRING DIAGRAM

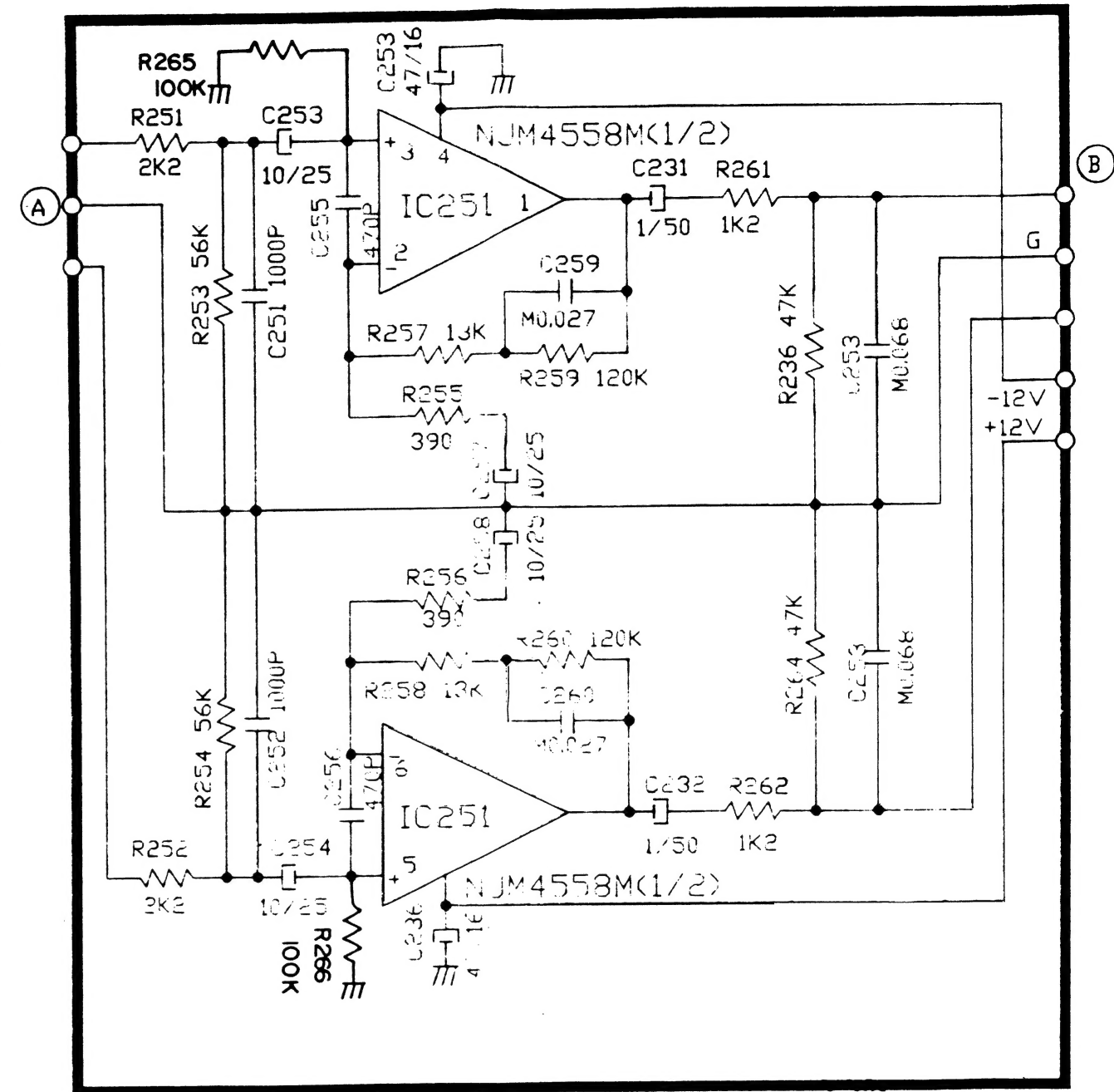
TAD-913AR



# — HEADPHONE AMP —



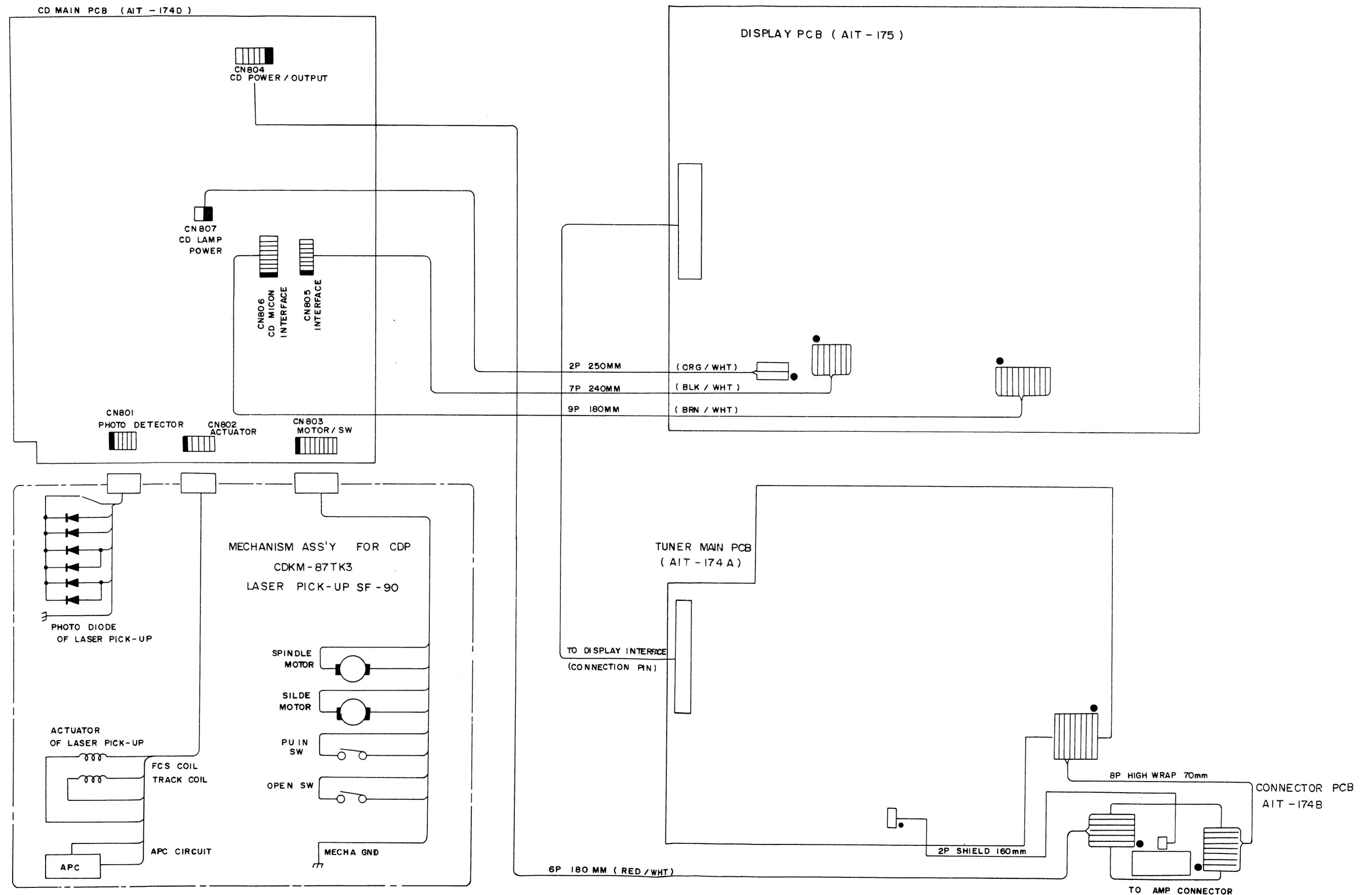
# — PHONE EQ.AMP —



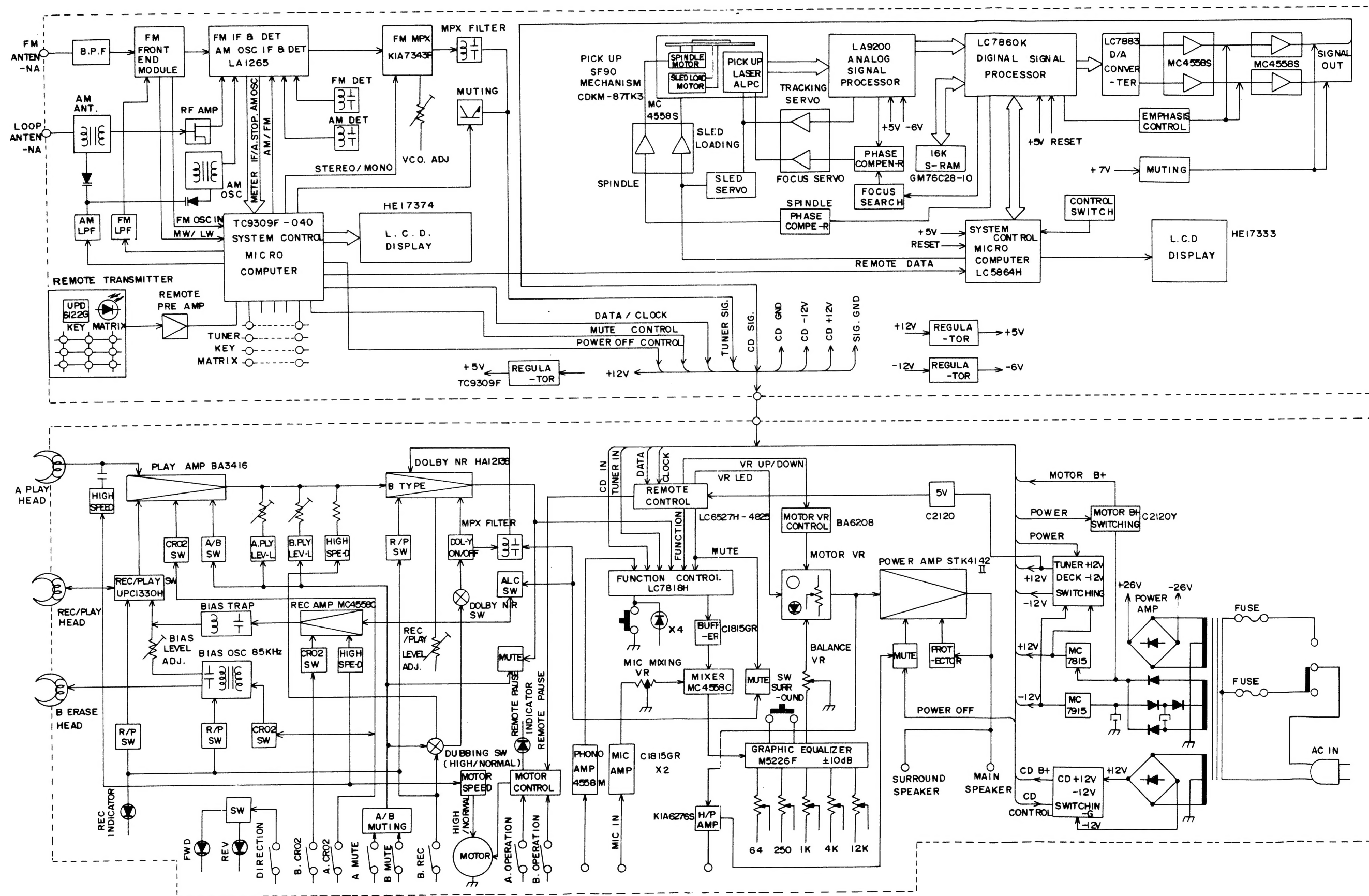


# VI. WIRING DIAGRAM


TCT-913AR



## V. BLOCK DIAGRAM



XI. VOLTAGE CHART

NOTE: 1. All the state to be blank have nothing to do with any occasion  
2. All the unit are voltage.  
3. low  high

TAD-913AR  
TR (DECK PCB)

NO.	STATE	E	C	B
Q301	HID	0	0	0
Q302	OTHERS	0	0	0.66
Q303	TAPE1 PLAY	0	2.38	0
	TAPE2 PLAY	0	0	0.7
Q304	HID	0	0	0.68
Q305	OTHERS	0	0	0
Q306	TAPE2 PLAY	0	0	0.72
Q307	OTHERS	0	0	0
Q308	TAPE1 PLAY	0	0	0.72
Q309	OTHERS	0	0	0
Q312	TAPE PLAY	0	0	0.63
	OTHERS	0	1.65	0
Q313	TAPE PLAY	0	0	0
Q314	OTHERS	0	0	0.7
Q315	TAPE PLAY	0	0	0.67
	OTHERS	0	10.37	0
Q316	REC	0	0	0.72
	OTHERS	0	0.68	0
Q317	REC	0	0	0
Q320	OTHERS	0	0	0.7
Q318	HID	0	0	0
Q321	OTHERS	0	0	0.67
Q319	HID	0	0	0.7
	OTHERS	0	0.67	0
Q322	CrO2 BIAS	0	0	0.7
Q323	NORMAL BIAS	0	0	-1.4
Q324	HID	0	0	0.71
	OTHERS	0	2.41	0
Q325	HID	0	0	0
Q326	OTHERS	0	0	0.67
Q327	REC	10.46	10.41	9.75
	OTHERS	10.67	0.39	10.67
Q328	REC	0	0	0.7
	OTHERS	0	10.64	0
Q329	CrO2 BIAS	10.3	10.3	9.64
	NORMAL BIAS	10.4	-2.5	10.3
Q330	REC	0.31	3.66	-0.4
	OTHERS	0	0.3	0.3
Q331	HID	9.4(S)	0(G)	6(D)
	OTHERS	9.5(S)	10(G)	9.4(D)
Q332	HID	0	0	0.7
	OTHERS	0	10.9	0
Q333	R. PAUSE	12.3	-1	12.3
	OTHERS	12.3	12.2	11.5

Q334	R. PAUSE	0	12.3	0
	OTHERS	0	0	0.7
Q335	R. PAUSE	0	0	0.65
	OTHERS	0	0.7	0
Q336	REC	0	0	0.72
	OTHERS	0	7.3	0.18
Q337	REC	0	0	10.33
	OTHERS	0	9.4	0
Q338	DUB	10.36	10.34	9.63
	PLAY	0	0	0
	REC	10.4	0	9.8
Q339	TAPE1 PLAY	0	0	0.7
	OTHERS	0	1.2	0
Q340	REC	0	7.2	0
	OTHERS	0	0	0.68
Q341	REC	0	0	0.71
	OTHERS	0	0.68	0
Q342	TAPE2 NORMAL	0	0	0.7
	OTHERS	0	1.7	-1.6
Q343	TAPE1 NORMAL	0	0	0.7
	OTHERS	0	2.1	-1.36
Q344	R. PAUSE	0	0	0.7
	OTHERS	0	9.2	0
Q345	NR ON	0	0	5
Q346	NR OFF	0	0	0.48
Q451	POWER ON	10.66	12.1	11.3
	POWER OFF	0	12.16	0
Q452	POWER ON	-11.2	-11.9	-11.8
	POWER OFF	0	-12.2	0
Q453	POWER ON	0	-11.8	4
	POWER OFF	0	0	-0.7
Q454	POWER ON	0	11.3	-0.2
	POWER OFF	0	0	0.7
Q455	POWER ON	0	0	0.7
	POWER OFF	0	6.4	0
Q456	-----	5.62	9.4	5
Q458	HID	0	0	0.7
	OTHERS	0	0.65	0

IC301  $\mu$ PC1330HA

NO	STATE	VOLT
1	----	----
2	----	0
3	----	----
4	PLAY	0
	REC	7.1
5	----	0
6	----	7.1
7	----	----
8	----	0
9	----	----

XI. VOLTAGE CHART

IC302 BA3416

NO	STATE	VOLT
1	---	---
2	---	---
3	---	---
4	---	---
5	---	---
6	---	---
7	TAPE1 NOR	0
	TAPE1 CrO2	2.1
8	---	0
9	TAPE2 NOR	0
	TAPE2 CrO2	1.72
10	---	8.3
11	---	1.95
12	---	8.7
13	---	3.72
14	---	3.72
15	---	0
16	---	0
17	---	0
18	TAPE1 PLAY	2.4
	TAPE2 PLAY	0




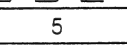

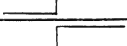
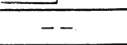
IC303 HA12136

NO	STATE	VOLT
1	---	5
2	---	10
3	---	4.9
4	---	4.9
5	NR ON	4.55
	NR OFF	0.65
6	---	4.9
7	---	1.34
8	---	4.9
9	---	4.9
10	---	1.35
11	---	4.9
12	PLAY	0
	REC	10.23
13	---	0.94
14	---	4.9
15	---	0
16	---	4.9

IC304 MC4558D

NO	STATE	VOLT
1	---	4.4
2	---	4.4
3	---	4.4
4	---	0
5	---	4.4
6	---	4.4
7	---	4.4
8	---	8.7

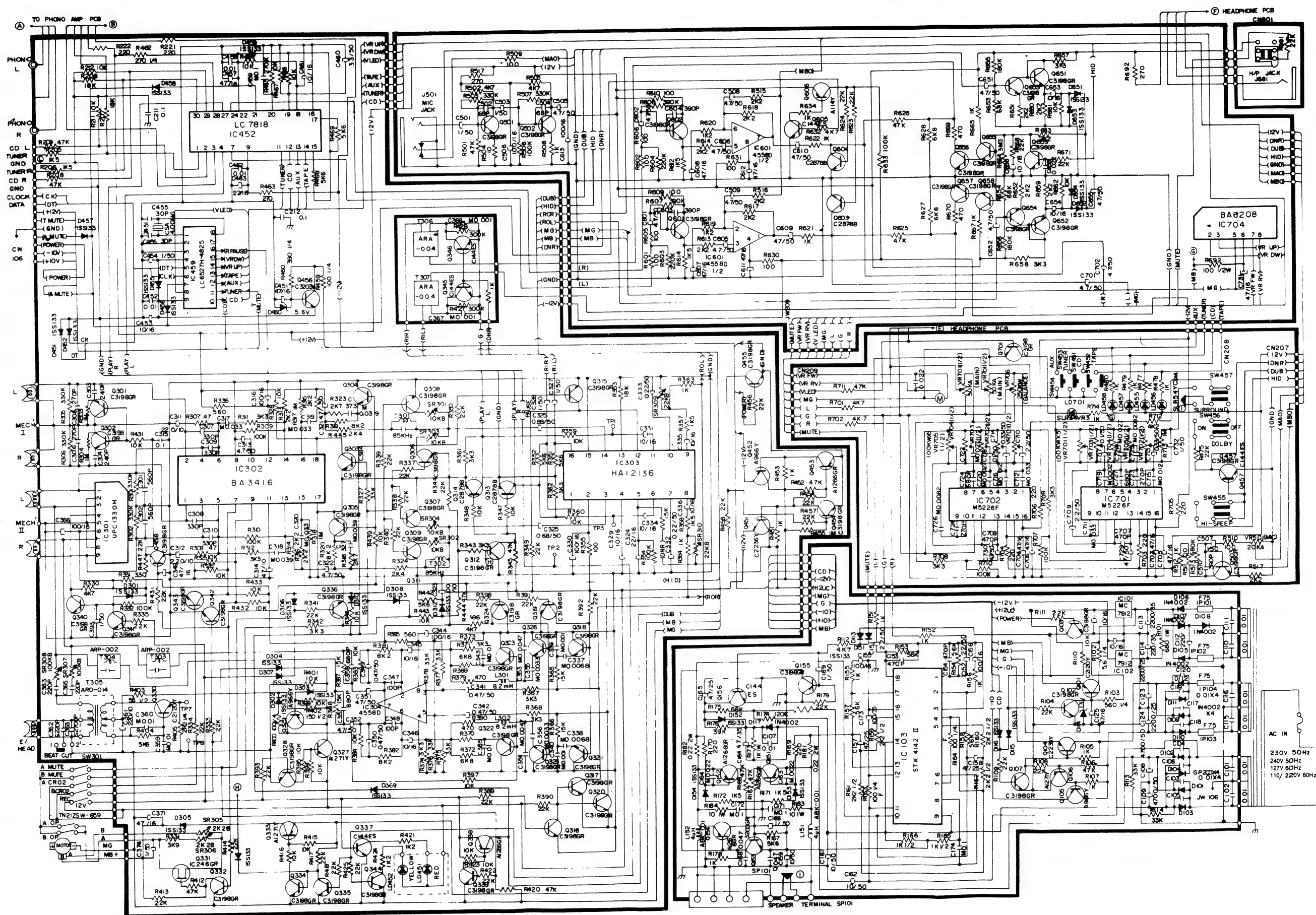
IC459 LC6527H-4825

NO	STATE	VOLT
1	---	2.36
2	---	0
3	---	0
4	---	5
5	---	
6	---	
7	A-MUTE	
8	V-LED	
9	---	5
10	FUNCTION SEL.	0.44
11		
12	OTHERS	8.84
13		
14	VR UP	
15	VR DOWN	
16	R. PAUSE	
17	---	---
18	---	2.36

IC451 LC7818

NO	STATE	VOLT
1	---	0
2	---	0
3	---	0
4	---	0
5	---	---
6	---	---
7	---	0
8	---	---
9	---	-11.5
10	---	---
11	FUNCTION SEL.	0.44
12		
13	OTHERS	8.84
14		
15	---	10.15
16	---	0
17	---	10.15

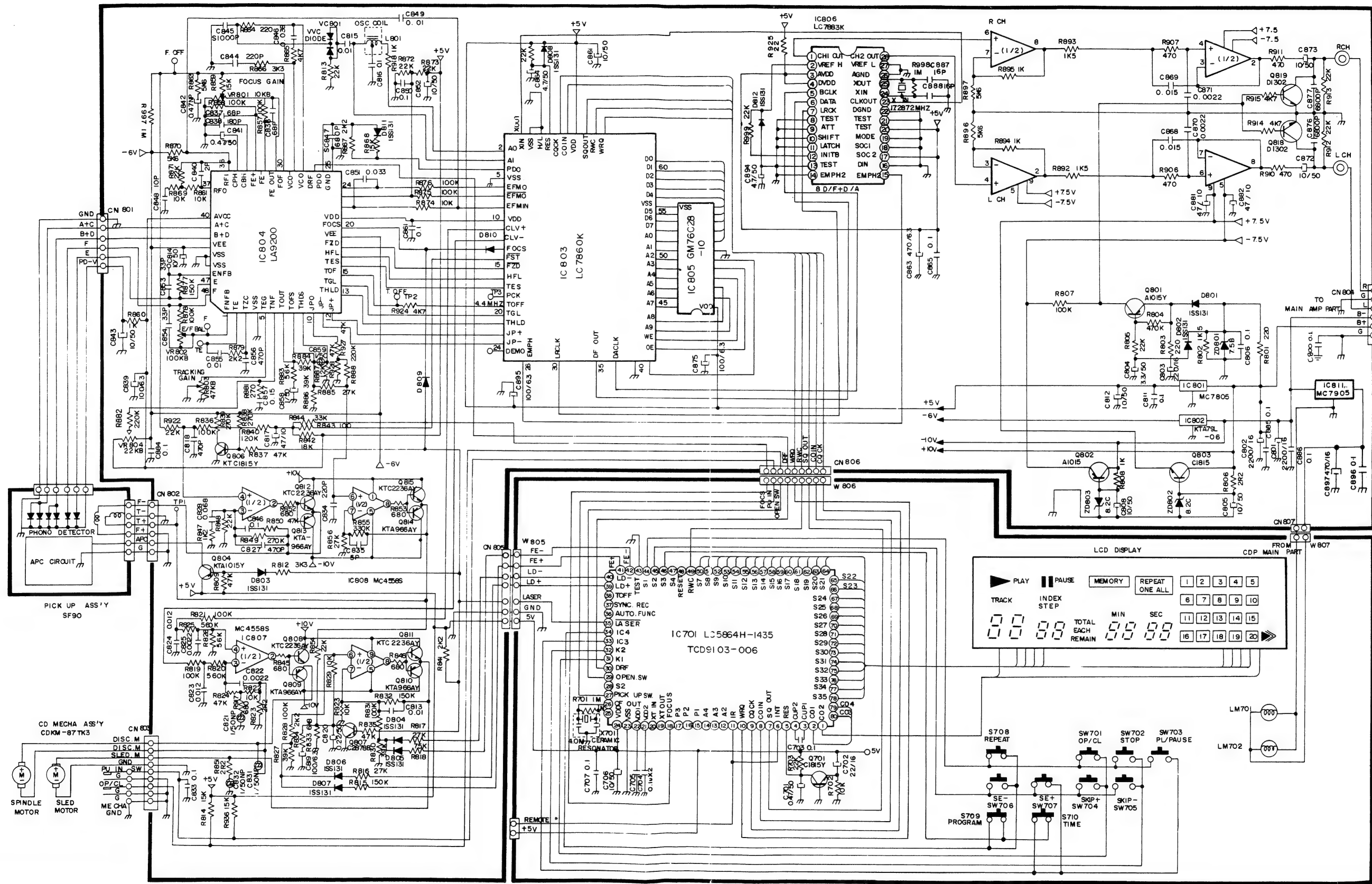
**TAD-913AR (AMP/DECK)**





VII. SCHEMATIC DIAGRAM

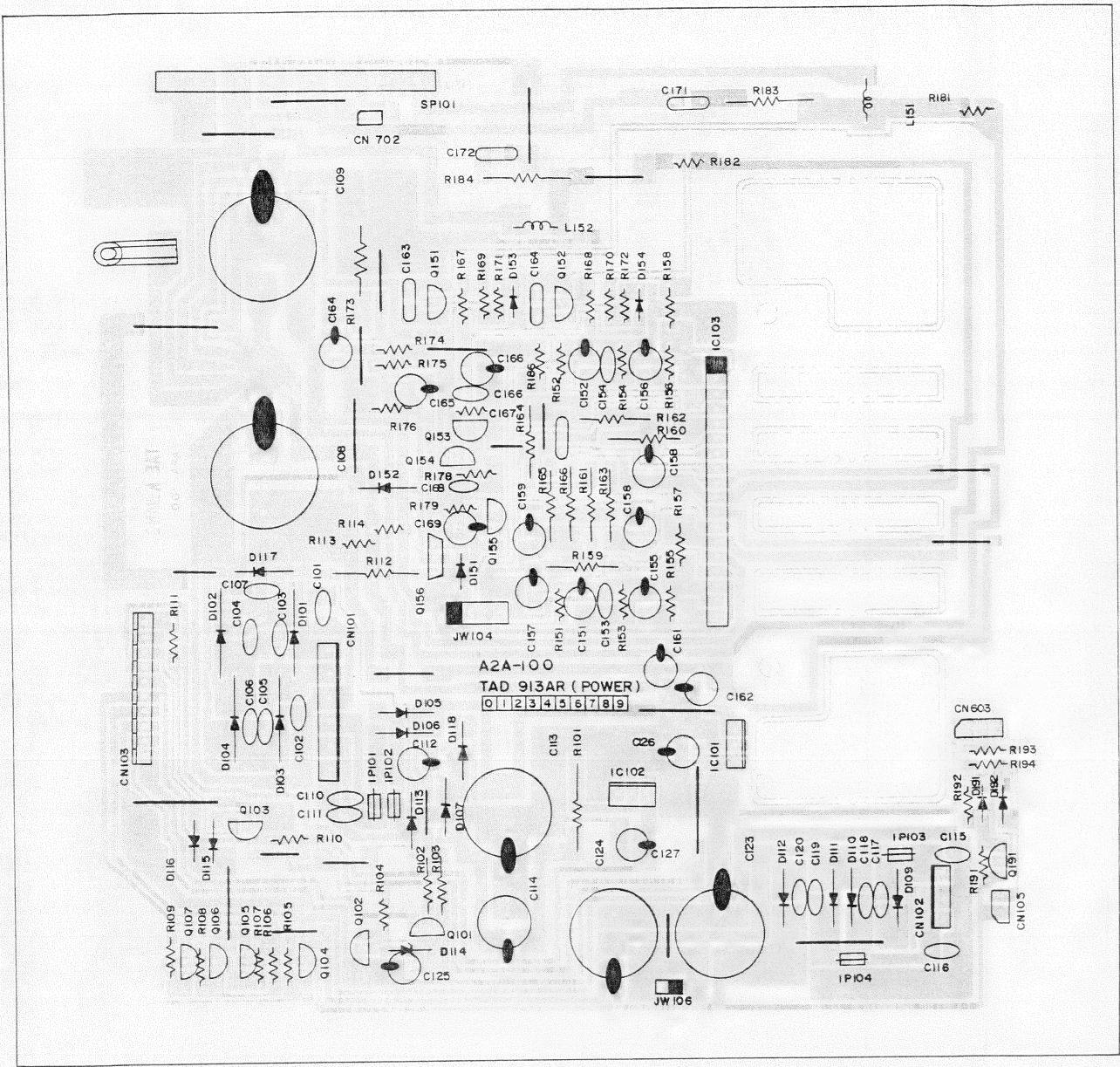
C.D.P



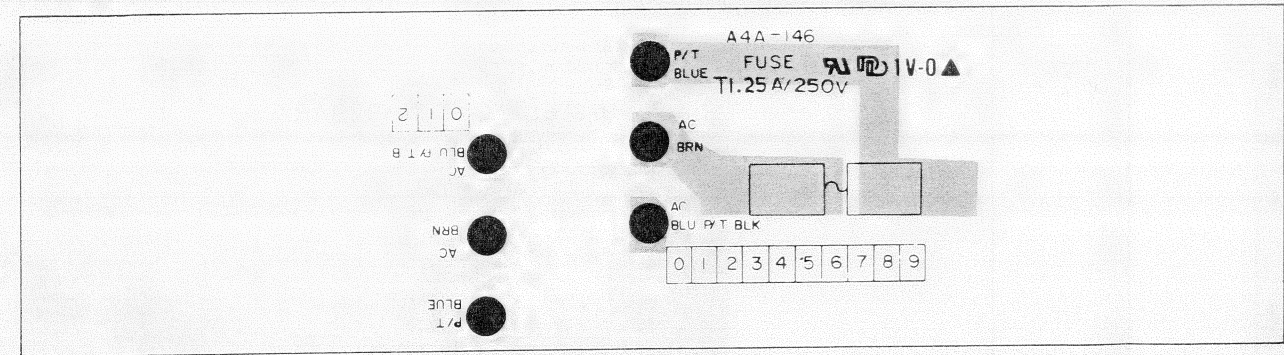


VIII. PCB LAYOUT

POWER PCB

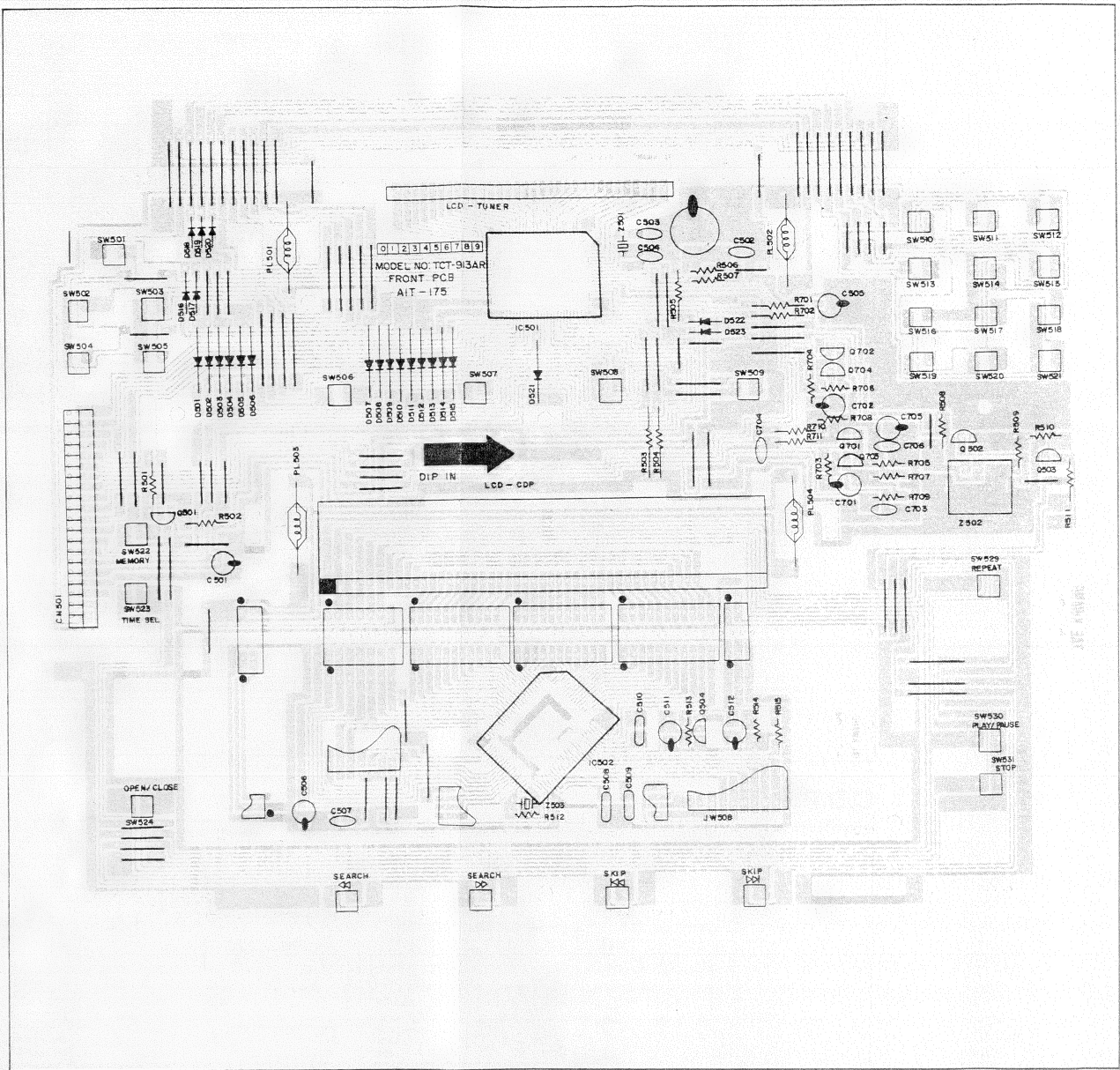


FUSE PCB



VIII. PCB LAYOUT

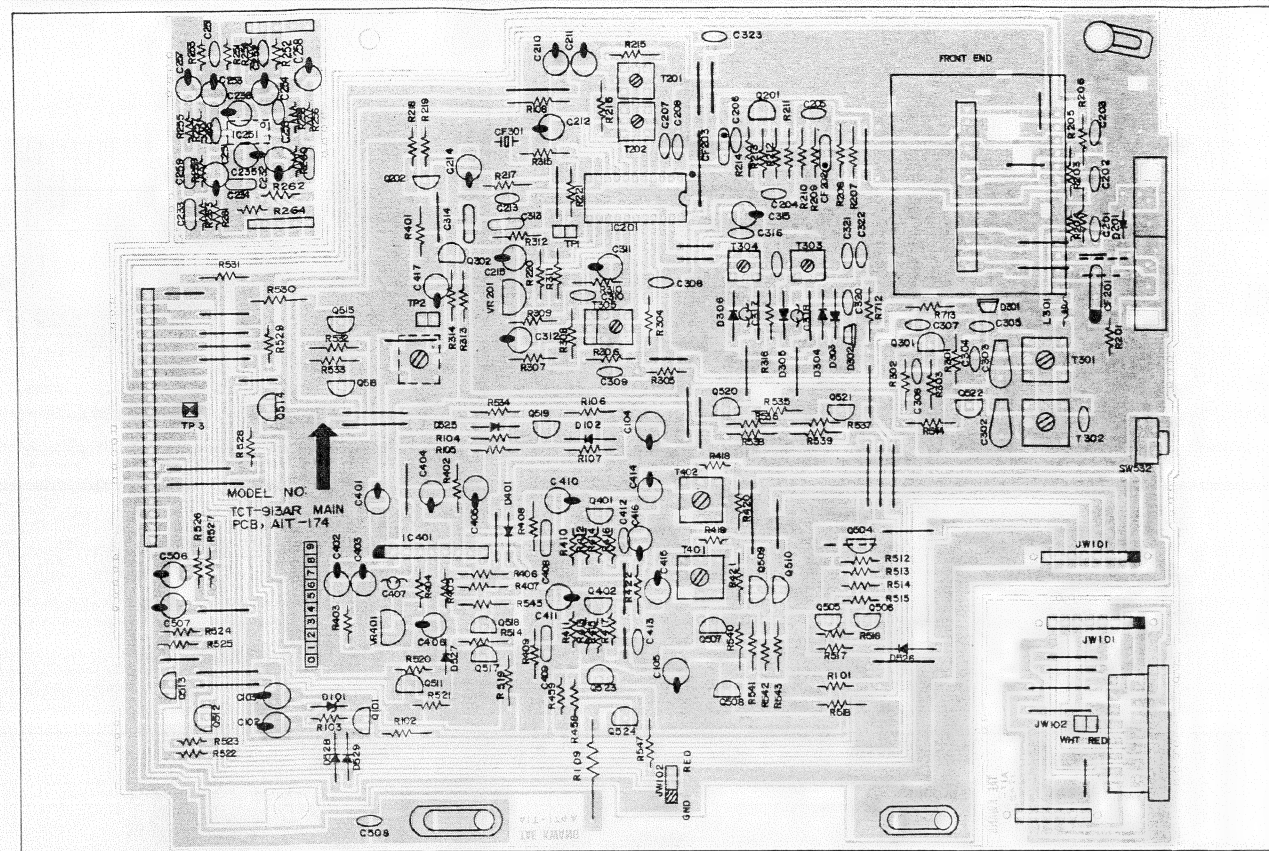
FRONT PCB



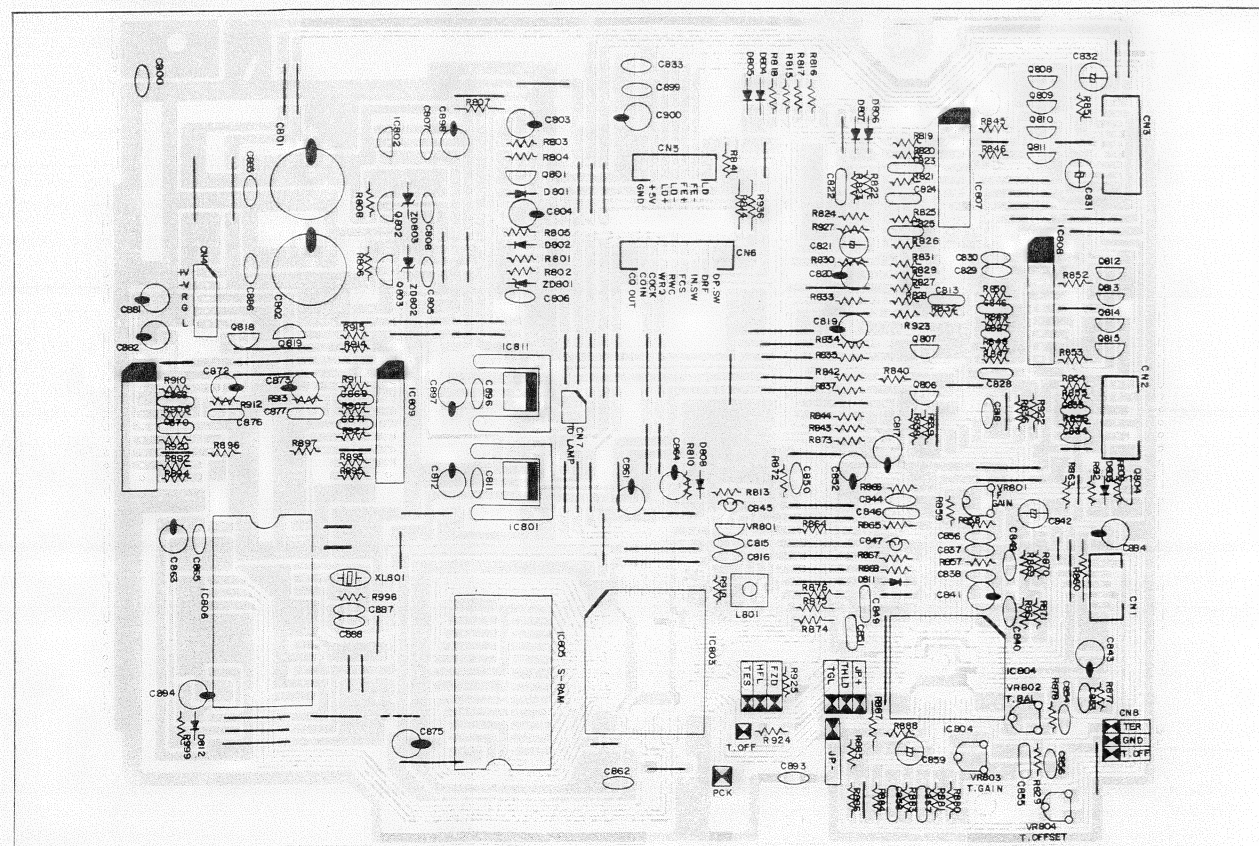


## VIII. PCB LAYOUT

### TUNER PCB

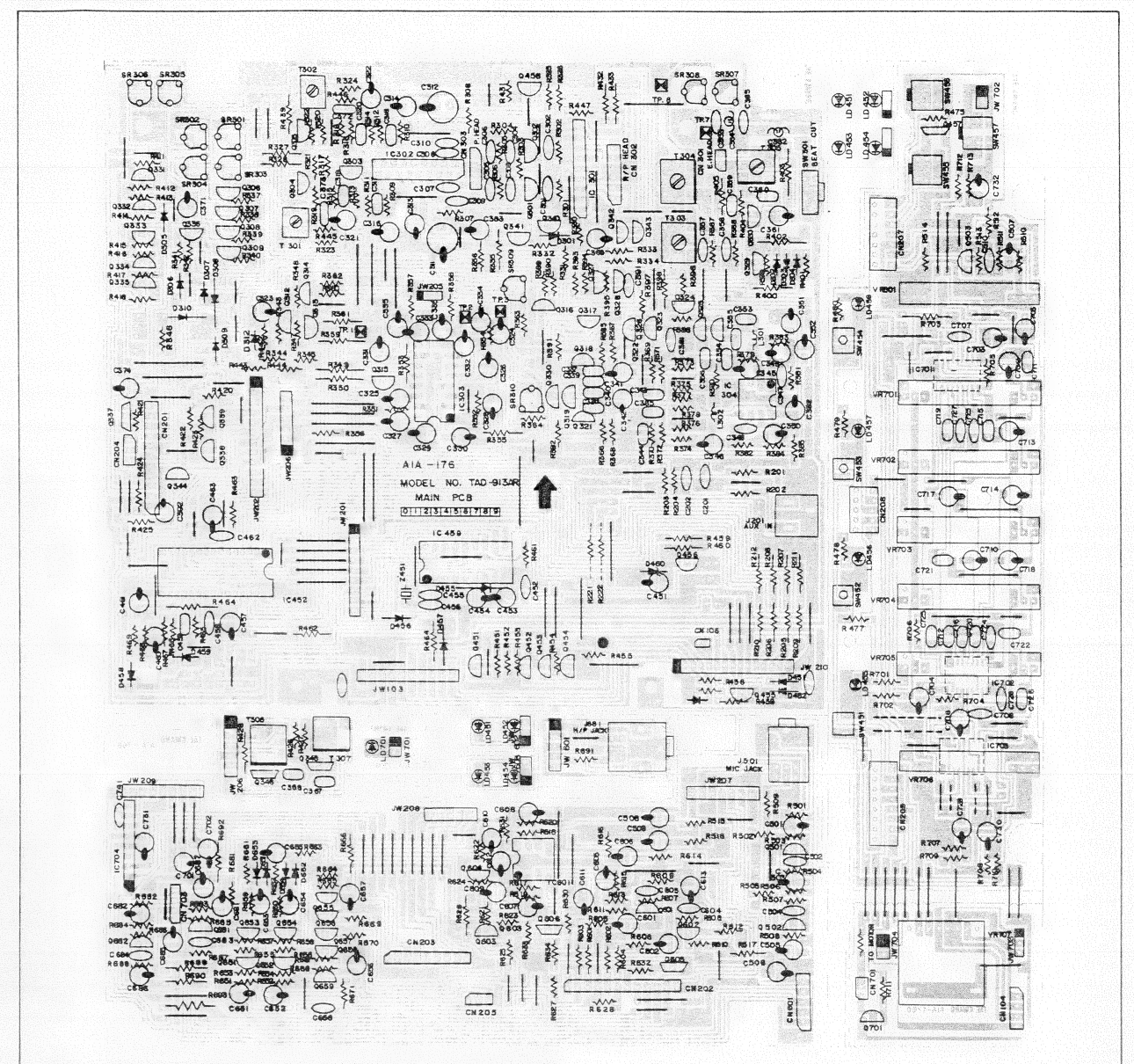


### C.D.P PCB

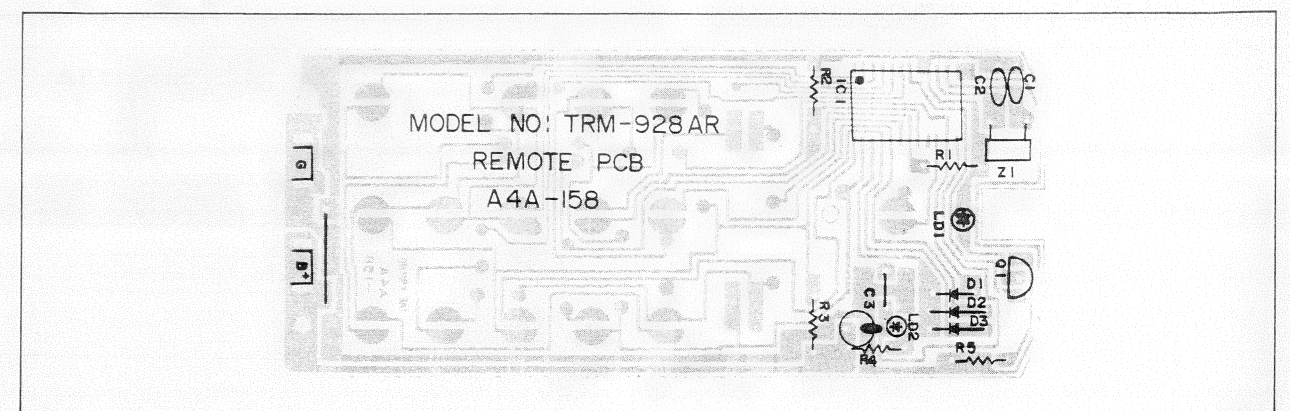


## VIII. PCB LAYOUT

### MAIN PCB




### REMOTE PCB









XI. VOLTAGE CHART

18	---	10.5
19	---	5.1
20	---	0
21	A-MUTE	
22	---	10.6
23	---	---
24	---	0
25	---	---
26	---	---
27	---	0
28	---	0
29	---	0
30	---	0

IC601 MC4558D

NO	STATE	VOLT
1	---	0
2	---	0
3	---	0
4	---	-11.2
5	---	0
6	---	0
7	---	0
8	---	10.2

IC704 BA6208

NO	STATE	VOLT
1	---	---
2	VR DOWN	
3	VR UP	
4	---	---
5	---	0
6	---	12.4
7	VR. FW	
8	VR. RV	
9	---	---

IC801 KIA6276S

NO	STATE	VOLT
1	---	0
2	---	0.58
3	---	3.1
4	---	6.9
5	---	0
6	---	3.1
7	---	1.3
8	---	0.58
9	---	0

IC701. IC702 M5226F

NO	STATE	VOLT
1	---	-0.24
2	---	-0.93
3	---	-0.24
4	---	-0.93
5	---	-0.24
6	---	-0.93
7	---	-0.24
8	---	-0.93
9	---	-0.24
10	---	-0.93
11	---	0
12	---	0
13	---	0
14	---	8.65
15	---	0
16	---	-9.5

TR (PRE AMP PCB)

NO.	STATE	E	C	B
Q601	NO SIGNAL	5.23	10.3	5.5
Q602	INPUT			
Q603	A-MUTE	0	0	3.7
Q604	OTHERS	0	0	-11.4
Q605	A-MUTE	0	0	3.7
Q606	OTHERS	0	10.6	0
	A-MUTE	10.6	10.6	10
Q651	OTHERS	10.6	-11.4	10.6
	A-MUTE	10.6	-11.4	10.6
Q651	NO SIGNAL	1	4.7	1.6
Q652	INPUT			
Q653	NO SIGNAL	4	6.2	4.7
Q654	INPUT			
Q655	NO SIGNAL	0	6.2	0
Q658	INPUT			
Q656	NO SIGNAL	0	0	0
Q657	INPUT			
Q659	HID	0	0	0.7
Q501	OTHERS	0	0.65	0
	NO SIGNAL	0	6.2	0.67
Q502	INPUT	0.7	6.6	1.4

TR (SWITCH & VOLUME PCB)

NO.	STATE	E	C	B
Q457	DUBBING	0	0	10.4
Q503	OTHERS	0	0.5	0
	NO SIGNAL	3.95	8.7	4.5

XI. VOLTAGE CHART

TR (POWER PCB)

NO.	STATE	E	C	B
Q101	POWER ON	12.4	18.4	13
Q102	POWER OFF	0.34	20	0.7
	POWER ON	0	13	0
Q103	POWER OFF	0	0.7	0.74
	POWER ON	0	0	0.7
Q104	POWER OFF	0	5.4	0
	FUNCTION. CD	12.6	14.2	13.3
Q105	OTHERS	0	14.9	0
	FUNCTION. CD	-12.7	-14	-13.4
Q106	OTHERS	-0.42	-14.8	0
	FUNCTION. CD	0	-13.7	4.7
Q107	OTHERS	0	0	0
	FUNCTION. CD	0	0	0.34
Q156	OTHERS	0	0	0.73
	MUTING	0	0	3.8
Q155	OTHERS	0	17.8	0
	---	0	0	0
Q151	PROTECT ON	0	0.2	0
Q152	PROTECT OFF	0	-30.6	0
Q153	PROTECT ON	-0.84	0	0
	PROTECT OFF	-30.6	0	-30.6
Q154	PROTECT ON	0	0	-0.8
	PROTECT OFF	0	-30.6	0

IC103 STK4142 II

NO	STATE	VOLT
1	---	-0.14
2	---	-0.14
3	---	0
4	---	-28
5	---	-1.3
6	MUTING ON	-0.9
	MUTING OFF	0.1
7	---	0
8	POWER ON	-0.8
	POWER OFF	-30.4
9	---	-30.5
10	---	0
11	---	30.9
12	---	29.2
13	---	0
14	---	-30.5
15	---	-1.3
16	---	0
17	---	-0.14
18	---	-0.14

■ TCT-913AR

TR (FRONT PCB)

NO.	STATE	E	C	B
Q501	TUNED	0	5.5	0
Q502	OTHERS	0	0	0.7
	FUNCTION. CD	5	5	4.3
Q503	OTHERS	5.6	0	5.7
	FUNCTION. CD	0	0	0.7
Q701	OTHERS	0	5.7	0
	FM : Q701, Q703	9.6(D)	1(G)	0.7(S)
Q702	AM : Q704, Q704			
Q703		0	---	0.7
Q704				

TR (TUNER MAIN PCB)

NO.	STATE	E	C	B
Q101	---	5.7	11.3	6.4
Q201	FM	3	10.4	3.65
Q202	OTHERS	0	0	0
	FM	2.7	2.7	3.2
Q301	OTHERS	2.1	0	0
	AM	0	1	10.8
Q302	OTHERS	0	0	0
	AM	2.1	2.1	2.7
Q401	OTHERS	2.7	0	0
	NO SIGNAL	0.9	8.6	1.5
Q402	INPUT	10.9	10.9	10.2
Q507	MUTE			
Q508	OTHERS	11.6	0	11.6
	MUTE	0	0	0.67
Q509	OTHERS	0	11.5	0
	MUTE	0	0	0.73
Q510	OTHERS	0	0	0
Q511	LCD STEREO ON	3.84	3.8	3.2
	OTHERS	0	0	0
Q512	---	0	5.7	0
Q513	---			
Q514	TUNED	0	3.8	0
	OTHERS	0	0	0.65
Q515	FM	0	0	0.67
	AM	0	12	0
Q516	FM	12	12	11.3
	AM	112	0	12
Q517	MONO	0	0	0.66
	STEREO	0	11.9	0
Q518	MONO	11.9	11.9	11.2
	STEREO	11.9	7.2	11.9
Q519	FM	11.5	0	11
	AM	11	11	10.3
Q520	LW	0	6.55	0
3BAND	MW	0	0.5	0.7



XI. VOLTAGE CHART

Q521	LW	0	0	0.7
	3BAND MW	0	1.8	0
Q522	LW	0	0	0
	3BAND MW	0	0	0.7
Q523	POWER ON	0	0	0.7
	POWER OFF	0	12	0
Q524	POWER ON	11.9	11.9	11.2
	POWER OFF	12	0	12







IC401 KIA7343

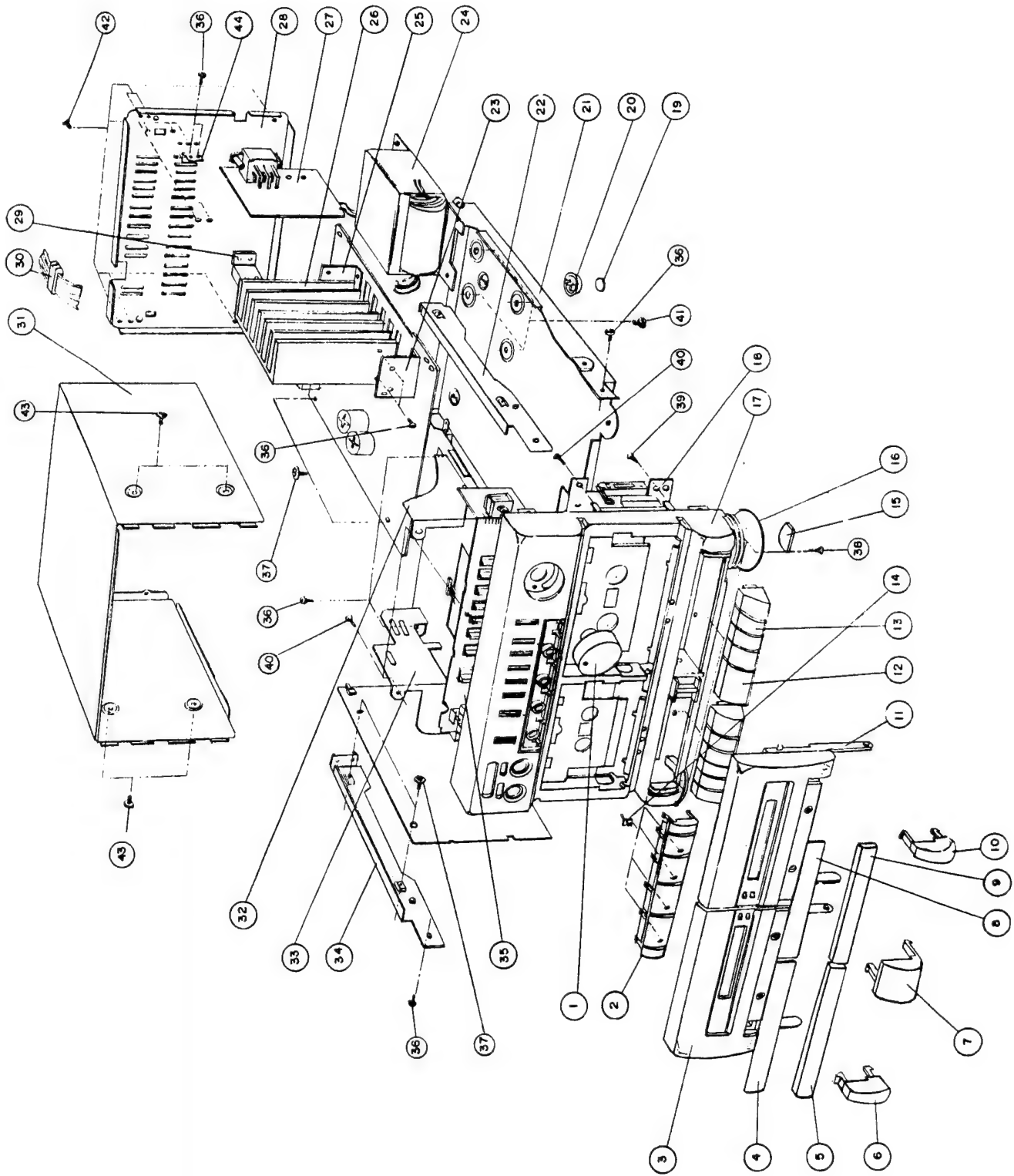
NO	STATE	VOLT
1	--	3.5
2	--	6.5
3	--	8
4	--	7.3
5	--	0
6	STEREO	0.84
	(LCD) MONO	11.9
7	STEREO	7.23
	(SIG) MONO	7.96
8	--	3.95
9	--	3.95

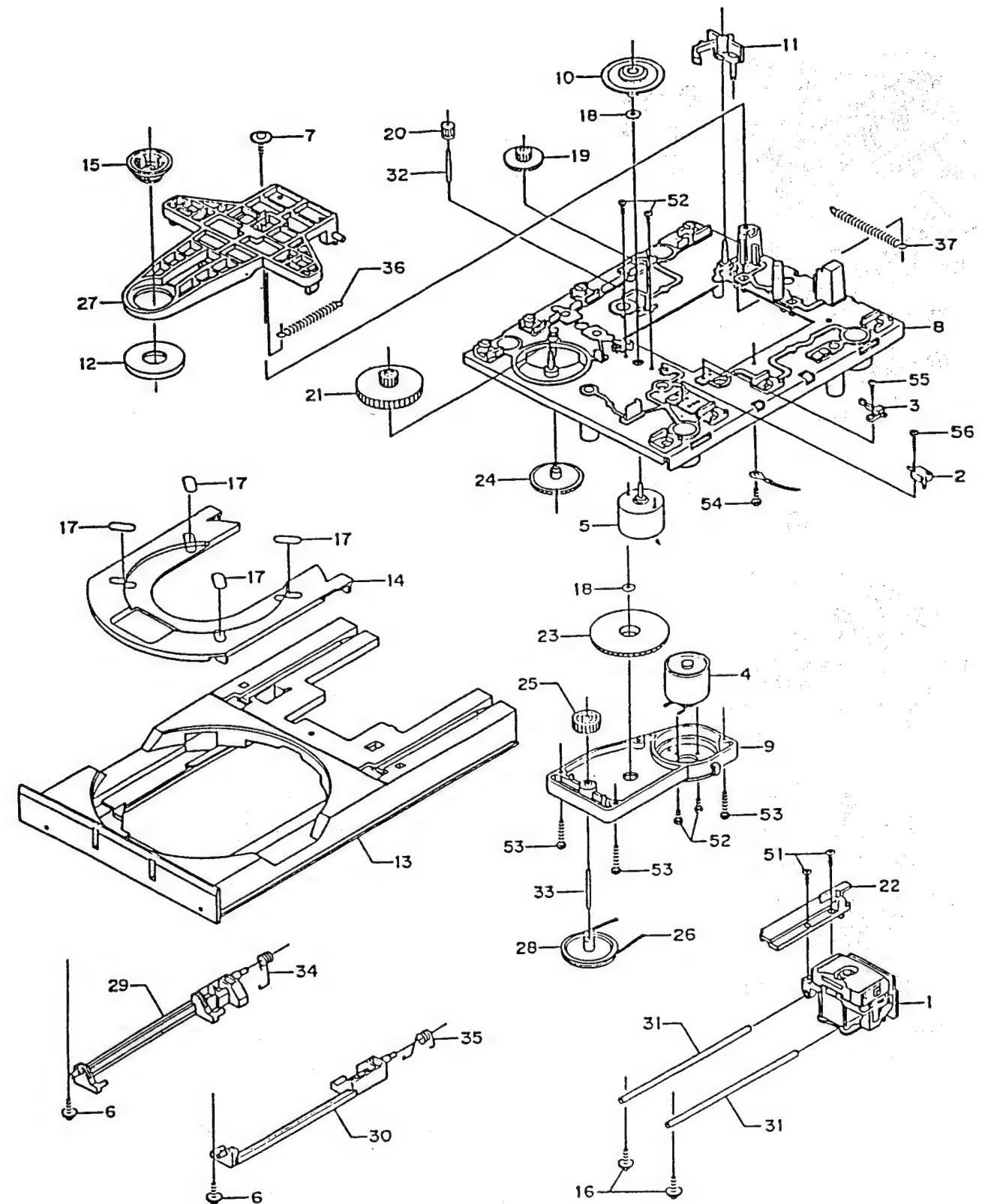
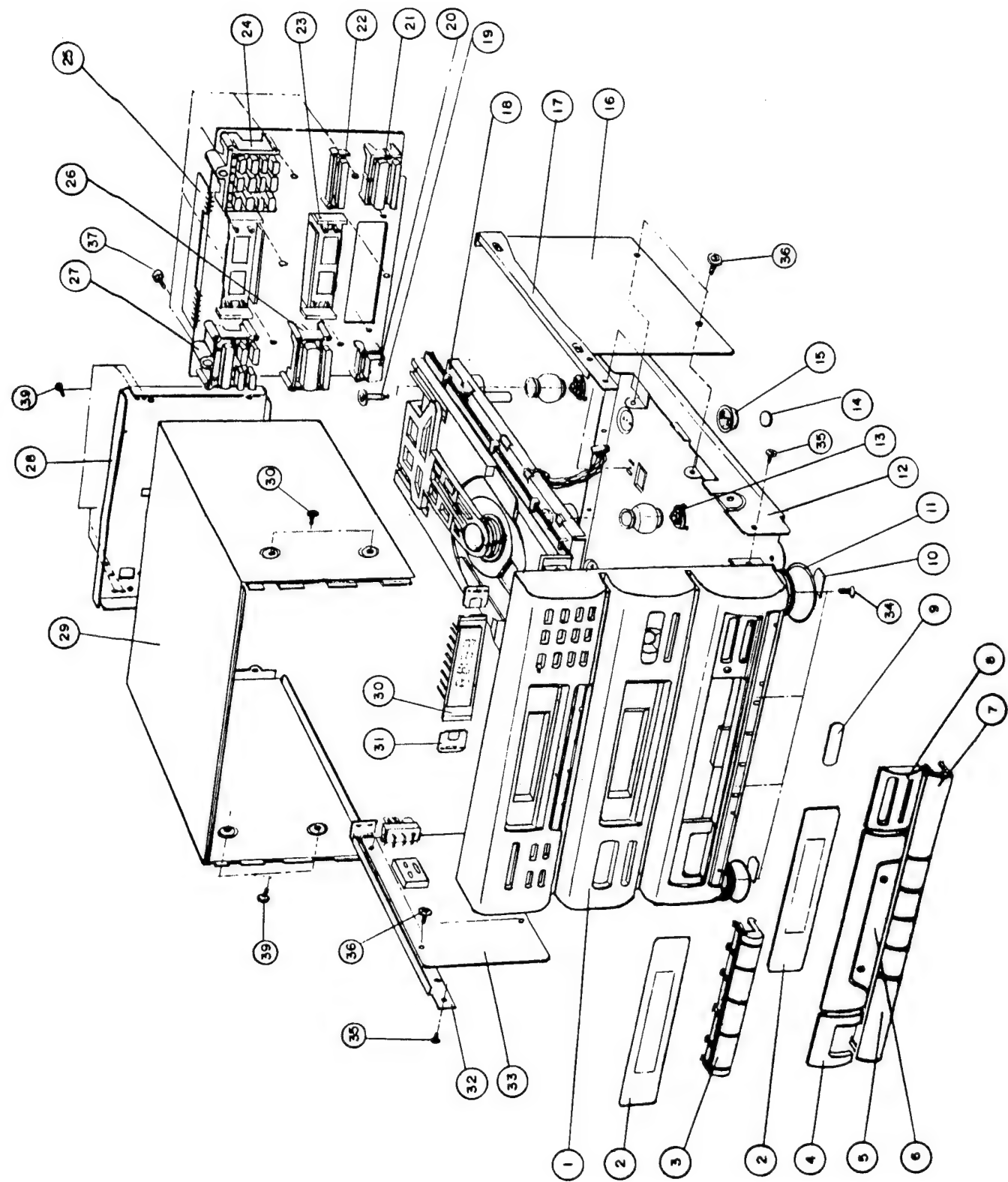
IC201 LA1265

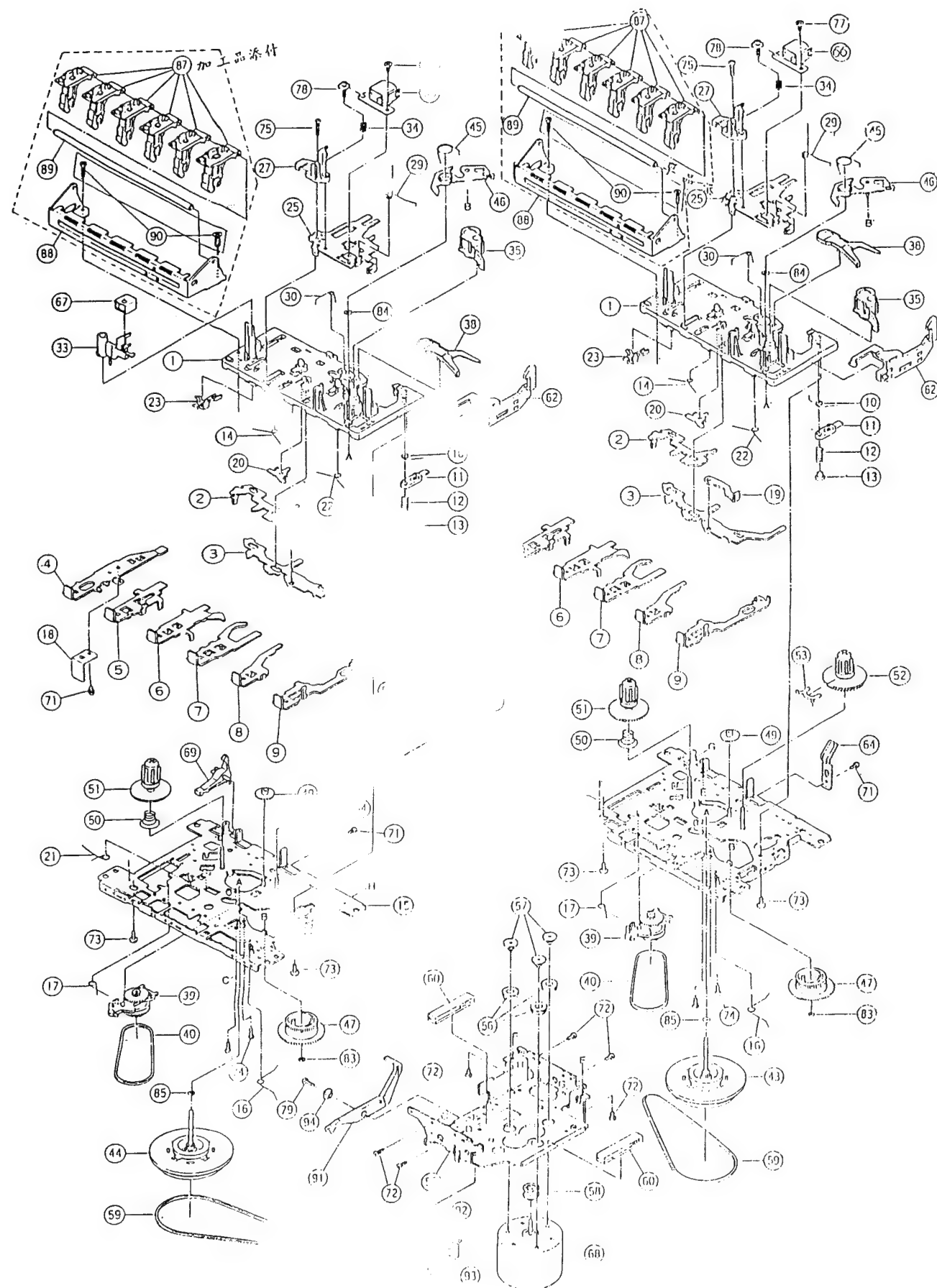
NO	STATE	VOLT
1, 2, 3	AM	1.13
	FM	2.26
4	--	0
5, 6, 7	AM	8.35
	FM	7.78
8	TUNED	0
	OTHERS	1.34
9	--	--
10	--	3
11	--	1.2
12	--	1.5
13	--	--
14	--	--
15	AM	1.17
	FM	2.27
16	--	1.47
17	AM	8.64
	FM	0
18	AM	2
	FM	0
19	AM	2
	FM	0.18
20	--	--
21	--	3.7
22	AM	1.5
	FM	2.8

IC501 TC9309F

NO	STATE	VOLT
1~29	LCD DRIVE	
76~80	PORT	
31~34	KEY INPUT	
35~42	KEY OUTPUT	
43	LW	HIGH
	OTHERS	LOW
44	AM	LOW
	FM	HIGH
45	A-MUTE	HIGH
	OTHERS	LOW
46	T-MUTE	HIGH
	OTHERS	LOW
47	POWER ON	HIGH
	POWER OFF	LOW
48	STEREO	LOW
	MONO	HIGH
49~51	NC	--
52	TUNED	HIGH
	OTHERS	LOW
53	--	5.04
54	NC	--
55	CLOCK	
56	DATA	
57	NC	--
58	STEREO	HIGH
	MONO	LOW
59	REMOTE IN	
60	K4	--
61	K5	--
62	NC	--
63	INT	5.04
64	INH	5.26
65	TUNED	HIGH
	OTHERS	LOW
66	NC	--
67	FM VT	--
68	AM VT	--
69	--	0
70	FM OSC IN	2.46
71	AM OSC IN	2.46
72	--	5.04
73	--	0
74	OSC	
	OSC	







ZEILE	POSITION	SYM BEZEICHNUNG	ET-NUMMER
1			
2		<b>ZUBEHOER :</b>	
3			
4		LAUTSPRECHERBOX KPL.	782 532 6
5		FERNBEDIENUNG, GEBER	782 577 1
6		BATT.-DECKEL FÜR FB-GEBER	782 578 9
7		AM-HILFSANTENNE	782 553 2
8		HALTER FÜR AM-HILFSANTENNE	782 989 8
9		FM-KURZFANTENNE 75 OHM-ANSCHLUSS	965 604 2
10			
11		<b>GEHÄUSE U. BEDIENTEILE RDF-CD</b>	
12			
13	1	FRONTBLLENDE, RDF	782 601 9
14	2	FRONTSCHLEIBE, DISPLAY	782 602 7
15	3	KNOPFLEISTE, BEREICH 4-FACH	782 603 5
16	4	ABDECKUNG FÜR KNOPF, OPEN/CLOSE	782 604 3
17	5	KNOPFLEISTE, TITELWAHL-SUCHLAUF	782 605 0
18	6	FRONTBLLENDE FÜR SCHLITTEN	782 606 8
19	7	BLINDKNOPF	782 607 6
20	8	ABDECKUNG FÜR KNOPF, PLAY-STOP	782 608 4
21	9	SCHLEIBE FÜR IR-EMPFANGER	782 609 2
22	10	FILZMATTE	782 593 8
23	11	RING FÜR FUSS	782 594 6
24	14	FILZSCHLEIBE	782 596 1
25	15	FUSS	782 597 9
26	16	CD-PLATINE	782 611 8
27	18	CD-MECHANIK	782 554 0
28	20	KNOPF, OPEN-CLOSE	782 612 6
29	21	KNOPF, STOP/PLAY	782 613 4
30	22	KNOPF, REPEAT	782 614 2
31	24	KNOPFKASTEN, 12-FACH	782 615 9
32	25	FRONT-PLATINE	782 616 7
33	26	KNOPF, MEMORY/TIME	782 617 5
34	27	KNOPFKASTEN, 5-FACH	782 618 3
35	28	RUECKWAND	782 619 1
36	29	OBERTHEIL	782 600 1
37	33	TUNER-PLATINE	782 620 9
38		BUCHSE 15-PIN	782 579 7
39		ANTENNENANSCHLUSSBUCHSE	782 568 0
40			
41		<b>GEHÄUSE U. BEDIENTEILE TB :</b>	
42			
43		KNOPF, SURROUND	782 987 2
44		KNOPF, DUBBING-DOLBY	782 988 0
45	1	KNOPF, VOLUME	782 610 0
46	2	KNOPFLEISTE, FUNKTION 4-FACH	782 580 5
47	3	CASSETTENFACH "2" LINKS	782 581 3
48	4	FENSTER FÜR CASS.-FACH LINKS	782 582 1
49	5	ABDECKUNG FÜR CASS.-FACH LINKS	782 583 9
50	6	BLINDKNOPF, LINKS SCHMAL	782 584 7
51	7	BLINDKNOPF, MITTE BREIT	782 585 4
52	8	FENSTER FÜR CASS.-FACH RECHTS	782 586 2
53	9	ABDECKUNG FÜR CASS.-FACH RECHTS	782 587 0
54	10	BLINDKNOPF, RECHTS SCHMAL	782 588 8
55	11	CASSETTENFACH "1" RECHTS	782 589 6
56	12	CASS.-KNOPF, BREIT	782 590 4
57	13	CASS.-KNOPF, SCHMAL	782 591 2
58	14	LINSE FÜR LED	782 592 0
59	15	FILZMATTE	782 593 8
60	16	RING FÜR FUSS	782 594 6
61	17	FRONTBLLENDE, TB	782 595 3
62	18	CASSETTENLAUFWERK	782 530 0
63	19	FILZSCHLEIBE	782 596 1
64	20	FUSS	782 597 9
65	24	NETZTRAFO	782 531 8
66	28	RUECKWAND	782 598 7
67	30	ANSCHLUSSKABEL MIT STECKER 15PIN	782 599 5
68	31	OBERTHEIL	782 600 1
69			
70		<b>CD-MECHANIK :</b>	
71			
72		CD-MECHANIK	782 554 0
73	1	LASERABTASTKOPF SF-88, H0759008	748 193 0
74	2	CASS-DOWN-MIKROSCHALTER (BLAU)	721 057 8
75	3	MIKROSCHALTER	748 194 8
76	4	MOTOR, 71761	748 195 5
77	5	MOTOR, 71820	748 196 3
78	10	TELLER FÜR CD-PLATTE	748 200 3
79	12	MAGNET	748 197 1
80	13, KPL.	SCHLITTEN	748 127 8

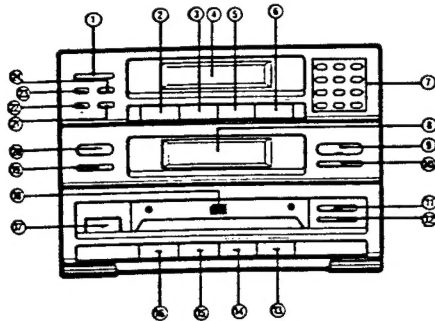
ZEILE	POSITION	SYM BEZEICHNUNG	ET-NUMMER
81	15	MAGNETHALTER	748 198 9
82	26	RIEMEN	985 446 4
83	27	PLATTENARM	748 199 7
84			
85		<u>CASSETTENLAUFWERK :</u>	
86			
87		CASSETTENLAUFWERK	782 530 0
88	2	SCHALTHEBEL	742 618 2
89	3	SCHALTSCHIENE	742 619 0
90	4	TASTENSCHIEBER, REC.	742 620 8
91	5	TASTENSCHIEBER, PLAY	742 621 6
92	6	TASTENSCHIEBER, REM.	742 622 4
93	7	TASTENSCHIEBER, F.F.	742 623 2
94	8	TASTENSCHIEBER, STOP	742 624 0
95	9	TASTENSCHIEBER, PAUSE	742 625 7
96	10	PROFILFEDER	742 626 5
97	11	RASTER, PAUSE	742 627 3
98	12	DRUCKFEDER, PAUSERAST	742 628 1
99	13	STOPFEN, PAUSERAST	742 629 9
100	14	PROFILFEDER	742 630 7
101	16	PROFILFEDER	742 631 5
102	17	PROFILFEDER	742 632 3
103	18	SCHALTFEDER, A/M	734 309 8
104	19	AUSLOESEHEBEL	742 633 1
105	20	STOPPER	742 634 9
106	21	PROFILFEDER	742 635 6
107	22	PROFILFEDER	742 636 4
108	23	MIKRO-SCHALTER	999 543 2
109	27	KOPFTRAEGER, A/M	742 637 2
110	29	PROFILFEDER	742 638 0
111	30	PROFILFEDER	742 639 8
112	33	KOPFTRAEGER, LOESCHMAGNET	742 640 6
113	34	FEDER	999 548 1
114	35	GA-ROLLE	742 641 4
115	38	FUEHLHEBEL	742 642 2
116	39	RUTSCHKUPPLUNG	742 643 0
117	40	RIEMEN 0,9 X 35MM	998 345 3
118	43	SCHWUNGRAD 1	742 644 8
119	44	SCHWUNGRAD 2	742 645 5
120	45	PROFILFEDER	742 646 3
121	46	PLATTE, ZAHNRAD	742 647 1
122	47	ZAHNRAD	742 648 9
123	49	ZAHNRAD, F.F.	742 649 7
124	50	FEDER	999 560 6
125	51	ABWICKELTELLER	742 650 5
126	52	AUFWICKELTELLER	742 651 3
127	53	SCHALTFUEHLER	742 652 1
128	58	PULLEY 2 8,5 8,5 10,0 (PLASTIK)	742 768 5
129	59	RIEMEN 1X45,5 MM	999 561 4
130	60	BUERSTE FUEH RIEMEN	742 371 8
131	62	AUSWURFHEBEL	743 463 2
132	64	FEDER	999 564 8
133	65	M-KOPF	740 892 5
134	66	A/M-KOPF	740 891 7
135	67	LOESCH-MAGNET	730 603 8
136	68	MOTOR EG 500 YD-2B CCM 12V	734 640 6
137	69	AUFN. SPERRE	742 654 7
138	83	SICHERUNGSSCHEIBE 1,2X3X0,25 MM	986 045 3
139	84	SICHERUNGSSCHEIBE 1,4X4X0,3 MM	946 940 4
140	85	SICHERUNGSSCHEIBE 2 MM	987 250 8
141	87	HEBEL	999 570 5
142	89	STANGE FUEH KNOEPFE	999 571 3
143	91	SCHALTHEBEL (B)	742 655 4
144	92	SCHALTHEBEL (A)	742 656 2
145	97	MIKRO-SCHALTER MSM-1275	749 104 6
146	98	BLATTF. SCHALTER	746 550 3
147			
148		<u>ELEKTRISCHE TEILE :</u>	
149			
150		NETZTRAFO	782 531 8
151			
152		<u>EQ-REGLER-PCB :</u>	
153			
154	LD451-454	LED SLR 34 VR3	744 869 9
155	LD455-458	LED SLR 54 R	733 810 6
156	LD701	LED SLR 34 VR3	744 869 9
157	J501, MIC	KLINKENBUCHSE 3.5 MM	782 540 9
158	J681, KH	KLINKENBUCHSE 3.5 MM STEREO	782 539 1
159	SM451-454	TAKTSCHALTER	782 544 1
160	SM455-457	TAKTSCHALTER	782 542 5
161	VR501, MIC	SCHIEBEREGLER 20KA	782 546 6
162	VR701-705	SCHIEBEREGLER 2X100KM	782 548 2



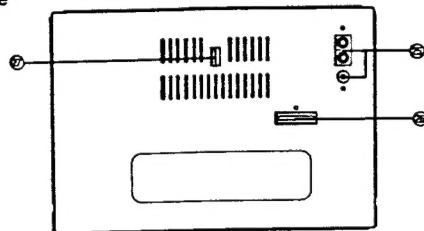
ZEILE	POSITION	SYM BEZEICHNUNG	ET-NUMMER
163	VR706,BAL	SCHIEBEREGLER 250KM	782 547 4
164	VR707,LAUT	DREHPOTI 2X50KA MIT MOTOR	782 549 0
165			
166		<u>POWER-PCB :</u>	
167			
168	D101-104	DIODE 68-208-L	722 986 7
169	D105-112	DIODE 1 N 4002	921 523 7
170	D113-116	DIODE 1 SS 133	967 548 9
171	D114	Z-DIODE MT23 13 B	729 957 1
172	D117	DIODE 1 N 4002	921 523 7
173	D151-192	DIODE 1 SS 133	967 548 9
174	IC101	IC 7812	958 951 6
175	IC102	IC FS 7912 M	954 101 2
176	IC103	IC STK 4142 II	782 550 8
177	IC651	IC KIA 6276 S	782 990 6
178	L151,152	DROSSEL 4 OHM	782 551 6
179	Q101	TRANSISTOR 2 SC 2120	951 967 9
180	Q102-103	TRANSISTOR KTC 3198	749 384 4
181	Q104	TRANSISTOR KTC 2236 Y	722 771 3
182	Q105,191	TRANSISTOR KTA 966 Y	723 194 7
183	Q106,151	TRANSISTOR KTA 1266	749 385 1
184	Q107,155	TRANSISTOR KTC 3198	749 384 4
185	Q152,154	TRANSISTOR KTA 1266	749 385 1
186	Q153	TRANSISTOR KTC 3200	749 382 8
187	R163,164	WIDERSTAND 100,0 OHM 0,25 W SI	965 816 2
188	R181,182	WIDERSTAND 0.22 OHM 2 WATT	953 966 9
189	SP101	LAUTSPRECHERANSCHLUSSBUCHSE	782 552 4
190			
191		<u>MAIN-PCB :</u>	
192			
193	D301-459	DIODE 1 SS 133	967 548 9
194	D460	Z-DIODE MTZ 5,6B	732 292 8
195	D651-654	DIODE 1 SS 133	967 548 9
196	IC301	IC UPC 1330 HA	748 612 9
197	IC302	IC SA 3416 BL ERSETZT ET-NR. 749 861 1	742 181 1
198	IC303	IC HA 12136	744 751 9
199	IC304,601	IC NJM 4558 D	950 628 8
200	IC452	IC LC 7518	740 693 7
201	IC459	IC LC 6527 H-4825	782 533 4
202	IC701 702	IC M 5226P	731 577 3
203	IC704	IC BA 6208	747 227 7
204	J201,PH	CINCHBUCHSE 2-FACH	782 541 7
205	L301,302	DROSSEL 10 MH	782 535 9
206	Q301-312	TRANSISTOR KTC 3198	749 384 4
207	Q313,314	TRANSISTOR 2 SC 2878	985 455 5
208	Q315-326	TRANSISTOR KTC 3198	749 384 4
209	Q327,333	TRANSISTOR KTA 1271 Y	782 545 8
210	Q326,328	TRANSISTOR KTC 3198	749 384 4
211	Q329,452	TRANSISTOR KTA 966 Y	723 194 7
212	Q330,456	TRANSISTOR 2 SC 2120	951 967 9
213	Q331	TRANSISTOR 2 SK 246 Y,GR	968 913 4
214	Q332-336	TRANSISTOR KTC 3198	749 384 4
215	Q337,457	TRANSISTOR DTC 144 ES	997 765 3
216	Q338,453	TRANSISTOR KTA 1266	749 385 1
217	Q339-344	TRANSISTOR KTC 3198	749 384 4
218	Q345,346	TRANSISTOR DTC 144 ES	997 765 3
219	Q451	TRANSISTOR KTC 2236 Y	722 771 3
220	Q454-602	TRANSISTOR KTC 3198	749 384 4
221	Q603,604	TRANSISTOR 2 SC 2878	985 455 5
222	Q605	TRANSISTOR KTC 3198	749 384 4
223	Q606	TRANSISTOR DTA 114 YS	723 978 3
224	Q651-701	TRANSISTOR KTC 3198	749 384 4
225	SM301	TAKTSCHALTER	782 544 1
226	T301,302	DROSSEL	782 538 3
227	T303,304	DROSSEL	782 537 5
228	T305	LOESCHOSZILLATORSPULE	782 536 7
229	T306,307	DOLBY-FILTER	782 534 2
230	Z451	KERAMIK-RESONATOR CSA 4.00 MHZ	741 960 9
231			
232		<u>FRONT-PCB :</u>	
233			
234		FRONT-PLATINE	782 616 7
235	CD	DISPLAY,HDL 7333-5A6R022A	782 572 2
236	TUNER	DISPLAY, HDL 7374-5A2P022A	782 573 0
237	C501	STUETZELKO 0.1F 5.5V	746 821 8
238	D501-523	DIODE 1 SS 133	967 548 9
239	IC501	IC TC 9309 F-040	782 576 3
240	IC502	IC TCD 9103-006-1435	782 575 5
241	PL501,502	LAMPE 12V/110MA	782 570 6
242	PL503,504	LAMPE 5V/80MA	782 571 4

ZEILE	POSITION	SYM BEZEICHNUNG	ET-NUMMER
243	Q501,503	TRANSISTOR KTC 3198	749 384 4
244	Q502	TRANSISTOR KTA 1266	749 385 1
245	Q504	TRANSISTOR KTC 3198	749 384 4
246	Q701,702	TRANSISTOR 2 SK 246 Y,GR	968 913 4
247	Q703,704	TRANSISTOR KTC 3198	749 384 4
248	SM501-531	TAKTSCHALTER	782 544 1
249	Z501	QUARZ 7,2 MHZ	733 233 1
250	Z502	IR-EMPPFAENGER LTH 9046A-3	782 574 8
251	Z503	KERAMIK-RESONATOR CSA 4.00 MHZ	741 960 9
252			
253		<u>TUNER U. CD-PCB :</u>	
254			
255		CD-PLATINE	782 611 8
256		TUNER-PLATINE	782 620 9
257		FM-TUNER	782 569 8
258	CF201	FM-EINGANGSFILTER	782 555 7
259	CF202,203	KERAMIKFILTER 10,7	780 371 1
260	CF301	AM-KERAMIKFILTER SFU 450 CUN	745 037 2
261	D101	ZENERDIODE RD 6,2 EB	950 538 9
262	D102,201	DIODE 1 SS 133	967 548 9
263	D301,302	CAP.-DIODE SVC 321SP-D2	988 694 6
264	D303-812	DIODE 1 SS 133	967 548 9
265	IC201	IC LA 1265	730 032 0
266	IC401	IC TA 7343	986 333 3
267	IC801	IC MC 78 L 05 ACPRA	727 874 0
268	IC802	IC NJM 79 L 06 A	781 557 4
269	IC803	IC LC 7860N	743 145 5
		ERSETZT ET-NR. 748 183 1	
270	IC804	IC LA 9200 NM	743 142 2
271	IC805	IC GM 76 C 28-10	743 290 9
272	IC806	IC LC 7883 KM	781 550 9
273	IC807-810	IC NJM 4558 S	989 171 4
274	IC811	IC MC 79 M 05	743 647 0
275	L301	FM-SPULE 2.2 UH	782 563 1
276	L801	DROSSEL	782 565 6
277	Q101	TRANSISTOR 2 SC 2120	951 967 9
278	Q201	TRANSISTOR 2 SC 1923 0	947 094 9
279	Q202,302	TRANSISTOR KTC 3198	749 384 4
280	Q301	TRANSISTOR KTK 192 A-Y	765 430 4
281	Q401-402	TRANSISTOR KTC 3198	749 384 4
282	Q507,511	TRANSISTOR KTA 1266	749 385 1
283	Q508	TRANSISTOR KTC 3198	749 384 4
284	Q509,510	TRANSISTOR 2 SC 2878	985 455 5
285	Q512-515	TRANSISTOR KTC 3198	749 384 4
286	Q516	TRANSISTOR KTA 1266	749 385 1
287	Q517	TRANSISTOR KTC 3198	749 384 4
288	Q518,519	TRANSISTOR KTA 1266	749 385 1
289	Q520,521	TRANSISTOR KTC 3198	749 384 4
290	Q522,807	TRANSISTOR 2 SC 2878	985 455 5
291	Q523	TRANSISTOR KTC 3198	749 384 4
292	Q524	TRANSISTOR KTA 1271 Y	782 545 8
293	Q801,802	TRANSISTOR KTA 1266	749 385 1
294	Q803,806	TRANSISTOR KTC 3198	749 384 4
295	Q804	TRANSISTOR KTA 1266	749 385 1
296	Q808,811	TRANSISTOR KTC 2236 Y	722 771 3
297	Q809,810	TRANSISTOR KTA 966 Y	723 194 7
298	Q812,815	TRANSISTOR KTC 2236 Y	722 771 3
299	Q813,814	TRANSISTOR KTA 966 Y	723 194 7
300	Q818,819	TRANSISTOR 2 SD 1302 S	985 212 0
301	SM532	TAKTSCHALTER	782 567 2
302	T201	FM-ZF-FILTER	782 558 1
303	T202	FM-ZF-FILTER	782 557 3
304	T301	MW-EINGANGSSPULE	782 561 5
305	T302	LW-EINGANGSSPULE	782 562 3
306	T303	MW-OSZILLATORSPULE	782 559 9
307	T304	LW-OSZILLATORSPULE	782 560 7
308	T305	AM-ZF-FILTER	782 556 5
309	T401,402	MPX-FILTER	782 564 0
310	VC801	CAP.-DIODE SVC 211	730 467 8
311	XL801	QUARZ 17,2872 MHZ	782 566 4
312	ZD801	Z-DIODE MTZ 5,6B	732 292 8
313	ZD902,903	Z-DIODE RD 8,2 EB2	987 057 7
		ENDE	

## Bedienungselemente und Funktionen



### Rückseite

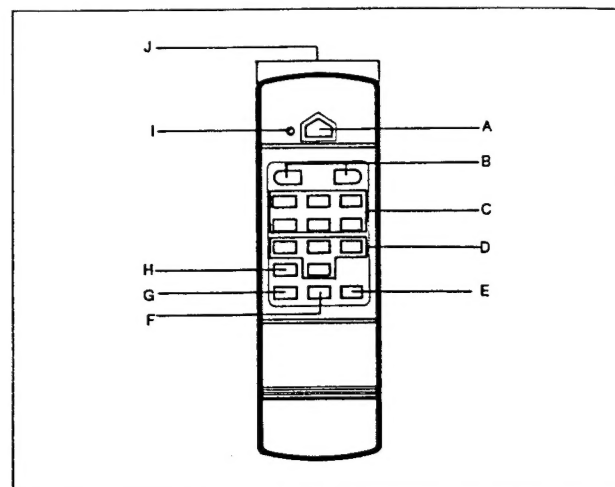


1. **POWER/STAND BY** = Netzschalter EIN/AUS
2. **MEMORY/CLOCK** = Speichertaste/Umschalten auf Zeitanzeige
3. **BAND/TIMER-RESET** = **FM/MW/LW** = Bereichsumschaltaste  
**FM** = UKW, **MW** und **LW**, **TIMER**-Funktion löschen
4. **Tuner Display** = Digitaler Frequenzanzeige/Uhrzeit-Timer  
**MEMORY** = Leuchtanzeige bei Speicherbereitschaft  
**AUTO** = Leuchtanzeige für automatischen Sendersuchlauf  
**TIMER** = Zeitgesteuertes Einschalten  
**MONO** = Mono-Betrieb  
**STEREO** = Leuchtanzeige bei UKW-Stereo-Empfang

5. **TUNING DOWN/HOUR** = Senderabstimmasten/Stellen der Stunden
6. **TUNING UP/MIN** = Senderabstimmasten/Stellen der Minuten
7. Speicherplatztasten 1-10, M+10 und M+20
8. **CD-Funktionsanzeige**  
▶ = Wiedergabe-Anzeige  
|| = Pause Anzeige  
Gesamtzeitanzeige der noch verbleibenden Spielzeit  
Anzeige der Gesamtspielzeit  
Spielzeitanzeige in Minuten/Sekunden  
**REPEAT** = Wiederholautomatik eines Titels  
**REPEAT ALL** = Wiederholautomatik aller Titel  
**MEMORY** -Anzeige  
Kalender-Anzeige; Anzeige der Gesamttitelnummern und der noch verbleibenden Titelnummern
9. **REMOTE SENSOR** = Fernbedienungs-Empfänger
10. **REPEAT** = Wiederholung der gesamten Platte der programmierten Titel, oder eines Titels.
11. **PLAY/PAUSE** = Starten der Wiedergabe und Wiedergabeunterbrechung
12. **STOP** = Beenden der Wiedergabe Programmspeicher löschen
13. ▶▶ = Titelwahl vorwärts
14. ◀◀ = Titelwahl rückwärts
15. ▶ = Suchlauf vorwärts
16. ◀ = Suchlauf rückwärts
17. **OPEN/CLOSE** = zum Öffnen und Schließen des Plattenfaches/Abbrechen der Wiedergabe
18. CD-Platten-Schublade
19. **MEMORY** = Speichern der Abspielreihenfolge
20. **TIME** = Umschaltung der Anzeigeart Spielzeit/Titel.
21. **M-SCAN** = Kurzes Anspielen aller gespeicherten Sender
22. **SEARCH** = Taste zum Umschalten von automatischen auf manuellen Suchlauf (Tunerbetrieb)
23. **DISPLAY MODE** = Wahl der Frequenz/Uhrzeit/TIMER
24. **FM/MODE** = MONO/STEREO Umschaltung
25. MW-LW Antennenanschluß/UKW-Antennenbuchse
26. TO AMP (TUNER) Stromversorgungsanschluß für Tuner-CD-Baustein
27. Klemmhalter für Rahmenantenne

## Fernbedienung

Mit Hilfe der Infrarot-Fernbedienung können die wesentlichen Funktionen dieses Musik-Center's bedient werden. Die Tasten-Funktionen sind identisch mit den Funktionen direkt an den einzelnen Bausteinen.



### Funktionen

- A** **POWER** = Ein/Ausschalten der Anlage
- B** **VOLUME** = Lautstärkeeinstellung
- C** Funktionstasten für CD-Spieler
- D** Funktionstasten für Radioteil
- E** **MUTE** = Lautstärkeabsenkung
- F** **PAUSE**-Taste (unterbrechen der Aufnahme-Wiedergabe (nur bei TAPE "2"))
- G** **TAPE** = Funktionstasten für Cassettenbetrieb
- H** **PHONO** = Funktionstasten für Plattenspieler
- I** Funktionsanzeige
- J** Sensorfenster